

Proposal # <u>2001-I-210</u> (Office Use Only)
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PSP Cover Sheet (Attach to the front of each proposal)

Proposal Title: Discover the Flyway II
 Applicant Name: Yolo Basin Foundation
 Contact Name: Cheryl Chipman
 Mailing Address: PO Box 943 Davis, CA 95616
 Telephone: (530) 758-1018
 Fax: (530) 757-2518
 Email: flywayyb@volobasin.org

Amount of funding requested: \$ 197,987 (three years total)

Some entities charge different costs dependent on the source of the funds. If it is different for state or federal funds list below.

State cost _____ Federal cost _____

Cost share partners? ☒ Yes ☐ No

Identify partners and amount contributed by each _____
CA Department of Fish and Game \$15,000 annually (in-kind)

Indicate the Topic for which you are applying (check only one box).

- | | |
|--|--|
| <input type="checkbox"/> Natural Flow Regimes | <input type="checkbox"/> Beyond the Riparian Corridor |
| <input type="checkbox"/> Nonnative Invasive Species | <input type="checkbox"/> Local Watershed Stewardship |
| <input type="checkbox"/> Channel Dynamics/Sediment Transport | <input checked="" type="checkbox"/> Environmental Education |
| <input type="checkbox"/> Flood Management | <input type="checkbox"/> Special Status Species Surveys and Studies |
| <input type="checkbox"/> Shallow Water Tidal/ Marsh Habitat | <input type="checkbox"/> Fishery Monitoring, Assessment and Research |
| <input type="checkbox"/> Contaminants | <input type="checkbox"/> Fish Screens |

What county or counties is the project located in? Yolo

What CALFED ecozone is the project located in? See attached list and indicate number. Be as specific as possible 10--Yolo Basin

Indicate the type of applicant (check only one box):

- | | |
|--|--|
| <input type="checkbox"/> State agency | <input type="checkbox"/> Federal agency |
| <input type="checkbox"/> Public/Non-profit joint venture | <input checked="" type="checkbox"/> Non-profit |
| <input type="checkbox"/> Local government/district | <input type="checkbox"/> Tribes |
| <input type="checkbox"/> University | <input type="checkbox"/> Private party |
| <input type="checkbox"/> Other: _____ | |

Indicate the primary species which the proposal addresses (check all that apply):

- | | |
|---|---|
| <input type="checkbox"/> San Joaquin and East-side Delta tributaries fall-run chinook salmon | <input type="checkbox"/> Spring-run chinook salmon |
| <input type="checkbox"/> Winter-run chinook salmon | <input checked="" type="checkbox"/> Fall-run chinook salmon |
| <input type="checkbox"/> Late-fall run chinook salmon | <input type="checkbox"/> Longfin smelt |
| <input checked="" type="checkbox"/> Delta smelt | <input checked="" type="checkbox"/> Steelhead trout |
| <input checked="" type="checkbox"/> Splittail | <input checked="" type="checkbox"/> Striped bass |
| <input checked="" type="checkbox"/> Green sturgeon | <input type="checkbox"/> All chinook species |
| <input checked="" type="checkbox"/> White Sturgeon | <input type="checkbox"/> All anadromous salmonids |
| <input checked="" type="checkbox"/> Waterfowl and Shorebirds | <input checked="" type="checkbox"/> American shad |
| <input checked="" type="checkbox"/> Migratory birds | |
| <input type="checkbox"/> Other listed T/E species: <u>Giant Garter Snake, Swainson's Hawk, Greater Sandhill Crane</u> | |

Indicate the type of project (check only one box):

- | | |
|--|---|
| <input type="checkbox"/> Research/Monitoring | <input type="checkbox"/> Watershed Planning |
| <input type="checkbox"/> Pilot/Demo Project | <input checked="" type="checkbox"/> Education |
| <input type="checkbox"/> Full-scale Implementation | |

Is this a next-phase of an ongoing project? Yes ☒ No ☐
Have you received funding from CALFED before? Yes ☒ No ☐

If yes, list project title and CALFED number 98-H1008

Have you received funding from CVPIA before? Yes ☐ No ☒

If yes, list CVPIA program providing funding, project title and CVPIA number (if applicable):

By signing below, the applicant declares the following:

- The truthfulness of all representations in their proposal;
- The individual signing the form is entitled to submit the application on behalf of the applicant (if the applicant is an entity or organization); and
- The person submitting the application has read and understood the conflict of interest and confidentiality discussion in the PSP (Section 2.4) and waives any and all rights to privacy and confidentiality of the proposal on behalf of the applicant, to the extent as provided in the Section.

Robin J. Kulakow
Printed name of applicant

Robin J. Kulakow
Signature of applicant

B. Executive Summary

Title: Discover the Flyway II

Amount requested: \$68,594 year 1, \$64,697 annually years 2 & 3 Total \$197,987

Applicant: Yolo Basin Foundation, PO Box 943, Davis, CA 95617

Phone. (530) 758-1018 Fax: (530) 757-4824 e-mail: flywayyb@yolobasin.org

Collaborators: Yolo Basin Foundation, California Dept. of Fish and Game, Yolo County Office of Education, California Waterfowl Association, City of Davis, PG&E Properties, Water Education Foundation, University of California, Davis, Putah-Cache Creek Bioregion Project and Regional Education Alliance, Yolo Audubon Society, Yolo Audubon, California Regional Environmental Education Community (CREEC).

This proposal requests \$197,987 over three years to implement Discover the Flyway II (DTFII). All activities funded under Discover the Flyway I, which is funded in part with a two-year Calfed grant beginning in March 1999, would continue with other sources of funding.

The mission of the Yolo Basin Foundation is to educate and inspire people about wetlands and wildlife of the Central Valley. This has been carried out in part by the pilot phase of the Discover the Flyway program (DTFI) in cooperation with the Department of Fish and Game at the 3700-acre Vic Fazio Yolo Wildlife Area, the City of Davis Wetlands, and the Conaway Ranch. DTFI is based around comprehensive teacher training. The goal of the next phase of Discover the Flyway, DTFII, is to provide new teacher training opportunities and program expansion to reach a larger community audience. This will be done with currently ongoing programs and new public educational programs, docent activities, and additional educational events for teachers and students. Several of the ongoing programs were piloted under DTFI.

The Discover the Flyway program takes an ecosystem approach to educating teachers, students, and the general public about wetland ecosystems and habitats primarily in the Yolo Basin Ecological Management Zone (PSP, Attachment A). It directly addresses all six of the Calfed goals as described in the PSP (p. 17). The educational content of DTF includes ecosystem relationships, special status species; wetland habitats and their benefits to humans, biotic communities, water quality; and an emphasis on habitat restoration and protection. The hypotheses and conceptual model for DTF is based on the premise that the experience and knowledge that DTF offers will ultimately provide thousands of citizens the tools they need to make informed decisions about their environment. Discover the Flyway uses teacher-training workshops as a primary tool to provide teachers with the information and experience needed to successfully lead classroom activities, field studies and restoration experiences in the Yolo Basin. We believe that by educating teachers, we provide a high-quality core educational foundation for many thousands of students for many years to come.

New teacher/student programs to be initiated in the future as part of DTF II include: a three-day Watershed Academy on water quality, quantity, and distribution and new curricula based on the Salmonids in the Classroom program. Additionally, a new "Project-Based" or "Service Learning" program will encourage teachers and students to gain "real-world" skills by interacting with community members. The Foundation proposes to continue the extensive public education program it offers plus Davis Wetlands docent training and Yolo Wildlife Area Information Assistants, free of charge, to encourage equal access from the communities of Yolo, Sacramento and Solano Counties.

C. Project Description

1a. Problem

Previous to the establishment of the Vic Fazio Yolo Wildlife Area and the initiation of the Discover the Flyway program (DTF), there was no easily accessible natural area in the north Delta region offering hands-on, field oriented learning opportunities to the large student/teacher population or the general public inhabiting the Sacramento area. The DTFI program hosts visits from hundreds of teachers and thousands of students annually to learn first-hand about wetland ecosystems and the benefits they provide. The program offers teachers, subsequent to initial training, staff support and equipment for classroom field trips to the Vic Fazio Yolo Wildlife Area (Yolo Wildlife Area) and Yolo Demonstration Wetlands, City of Davis Wetlands, and the privately-owned Conaway Ranch.

The increase in teachers and students taking part in the program over the past three years indicates that DTFI is filling an important need in providing such opportunities. Once teachers complete the initial teacher training, they are anxious to follow up with additional training to extend their knowledge. Teachers have indicated a need for training through their continued participation, direct requests and in their written evaluations. The Yolo Basin Foundation proposes to offer in addition to the expanded teacher training opportunities, additional educational programs for volunteers and the general public. The Foundation's objective is to expand the offering of diverse learning opportunities that will increase public awareness and appreciation of the Delta ecosystem. The tremendous growth in the number of community members participating in DTFI indicates there is a need for the expanded programming.

a. Conceptual Model

*If you are planning for one year, plant rice
If you are planning for ten years, plant trees
If you are planning for one hundred years, educate*

Chinese proverb

The DTF program takes an ecosystem approach to educating teachers, students, and the general public about wetlands and wildlife primarily in the Yolo Basin Ecological Management Zone. The Discover the Flyway II conceptual model is based on expanding the educational opportunities offered in DTFI to include additional teacher workshops, a lecture series, public field trips, a docent program, and special events (refer to Attachment A). Each of these programs will reach different audiences. The cumulative outcome of these efforts is a more informed and knowledgeable public with an increased appreciation of the wetland ecosystems of the Bay-Delta region.

Discover the Flyway is an increasingly successful tool for educating people about Delta ecosystems. It has three levels of activity: 1) training teachers to use the Yolo Wildlife Area and Demonstration Wetlands as an outdoor classroom 2) Facilitating teachers' use of the Wildlife Area with staff support and field equipment at no charge for their class field trips, and 3) Offering varied and consistent educational opportunities to the general public.

Of special importance is the enabling of teachers to confidently pass on up-to-date information to their students. First hand knowledge and visits to local wetlands helps teachers effectively utilize curriculum materials. By collaborating with other community groups and public organizations, the Foundation's resources are maximized to offer quality educational opportunities.

b. Hypothesis being tested

Two hypotheses are being tested:

1. Teachers will more effectively convey concepts and information about wetlands when they have had intensive hands on training and field experience with the actual subject matter and the science related to it.
2. Providing various opportunities for the public through school programs, field experiences, and special programs will enhance the public's awareness of the presence and importance of wetlands in their environment and increase their understanding of issues that impact these ecosystems. This will lead to better stewardship of resources and creative solutions to environmental problems.

Reaching a variety of constituencies in the community and region will result in the public being well informed about environmental actions taking place around them, and encourage them to take an active interest in stewardship.

Teachers and students must have practical, affordable, up-to-date, and easily accessible information about natural communities in order to become knowledgeable citizens interested in local stewardship. Likewise, the general public has the same requirement. Viewing wetland communities first hand and understanding their biological processes will lead to increased appreciation for these communities and the complex issues facing the management of a healthy Delta ecosystem.

By providing a multitude of accessible opportunities free of charge, Discover the Flyway programs will provide equal access to community members and increase the number of people who are informed about ecosystem processes.

d. Adaptive management

The Discover the Flyway program implements adaptive management in two ways. First, it utilizes the adaptive management approach in developing and delivering educational opportunities throughout the life of the program. Audience evaluations and feedback will be used, as they have been in the past, to continually improve program offerings and content, as well as to make them more accessible to target audiences.

Secondly, through DTFII the Foundation will offer participants the opportunity to learn about the adaptive management techniques employed by the various wetland managers with which it works. The Department of Fish and Game, City of Davis, and the Conaway Ranch all practice adaptive management as they learn from implementing new methods within newly restored habitat.

e. Educational Objectives

The goal of the Discover the Flyway educational program is to make wetlands and their stewardship, in the context of the Yolo Basin, a consistent educational component in the schools of the Sacramento Region, and to increase the appreciation and understanding of biological processes and their importance to Bay-Delta ecosystem management. Participants will witness the Yolo Wildlife Area as a prime example of a successful Delta-based ecosystem restoration project that continues to evolve, attracting and supporting increasing numbers and species of wildlife.

The primary audience is the citizens of the three-county area of Yolo, Sacramento, and Solano counties (combined population of 1,729,100). DTF programs are primarily targeted toward teachers, K-12 students, and the general public in these counties. Working with schools is the best way of reaching a diverse population of children and families.

The Foundation provides educational opportunities to thousands of K-12 students and hundreds of teachers, volunteers, and the general public in a variety of ways. Under this proposal, teachers will have additional enrichment opportunities about water-related topics through teacher workshops, extended teacher academies, guest lecturers, ecosystem-related printed materials and videos, and special events. The topics address CalFed goals relating to ecosystem functions within wetlands and related habitats, special status species, and water quality. The Foundation works with other community groups to achieve these goals, (please refer to list of collaborators in the Executive Summary), thereby accessing a variety of audiences. Other participants include parents, volunteers, professionals, and students from local colleges and universities.

Sacramento County's school population of 205,000 is 17% Hispanic, 15% Black and 13% Asian. Other non-white groups bring the total of minorities to nearly 50% of the County's school population. Solano County's school population of 70,465 is comprised of 20% black, and 17% Hispanic. Other minorities total over 50% of the school population. Hispanic students in Yolo County's school population of 26,442 total 33%, The total minority school population in the county is 45%.

The proposed program addresses understanding of the ERP Strategic Goals outlined in the PSP. The Discover the Flyway program components focus on many of the ecosystem processes and beneficial aspects of the recently created Yolo Wildlife Area, the Davis Wetlands, and the privately owned Conaway Ranch. The program strives to increase public awareness of local conservation efforts, the compatibility of urban life and agriculture, flood control, and effective wildlife management, and how all of this contributes to a healthy Delta ecosystem.

All components of DTFII will be integrated for enhanced learning experiences. For instance, teachers participate in training workshops to prepare them for bringing their classes to the Wildlife Area on a field trip. They can reinforce this training by participating in other components of DTFII such as guided public tours, Flyway Nights lectures, and the Watershed Academy. They can expand their students experience by participating in a project based learning experience such as a student-driven restoration project. Similarly, parents can participate in their child's field trip and then bring the whole family to a weekend guided tour with an Audubon expert. In addition, the general public can take advantage of the integration of the lecture series, guided tours, and special events. Members of the public who want to learn more can be volunteer assistants for the school program or the Davis Wetlands.

An effective evaluation methodology beyond the one in place for DTFI will be developed with consultation from experts on evaluation of educational programs under Task 5. Refer also to Section 2(c) monitoring and assessment plans.

2a. Location (refer to Attachment B, Vicinity Map)

Discover the Flyway field sites are located in the Yolo Basin and Yolo County. The principal site, the Vic Fazio Yolo Wildlife Area is entirely within the Yolo Bypass. Both the Putah and Cache Creek Watersheds flow into the Yolo Bypass. The Yolo Wildlife Area is located east of Davis, west of Sacramento, and pre-dominantly south of Interstate 80. Coordinates are: Latitude: 38.553751 and Longitude: 121.67505 GPS Coordinates of Vic Fazio Yolo Wildlife Area: NW38 degrees 34' 120 degrees 30' 30"; SW38 degrees 31' 50" 121 degrees 37' 38" ; SE38 degrees 30' 121 degrees 35' 15"; NE38 degrees 33' 7.5" 121 degrees 35"

The Yolo Basin is centrally located along the Pacific Flyway traveled by thousands of migratory waterfowl and other birds. It is part of the Yolo Basin Ecological Management Zone. The Yolo Wildlife Area is located within the legal definition of the Delta. Additional educational venues (Davis Wetlands and Conaway Ranch) are situated north of this area and provide important ecological links within the Yolo Basin.

The location of the educational venues in the Discover the Flyway programs, within easy reach of the Bay Area and within 15 minutes of downtown Sacramento, represents an unparalleled educational opportunity. Yolo, Sacramento and Solano communities are located within a short travel distance making it possible to expose a large population to the beauties and importance of successfully restored and well-managed wetlands habitat.

b. Approach

Experts agree that people learn in a variety of different ways. Under DTFII, the Foundation will continue its varied approach to education via expanded teacher workshops, hands-on activities and field experiences, guided field trips, special events, service learning, written materials, lectures by visiting experts, and special events. Using many alternative methods over multiple years for outreach and education, we can reach the widest audience. Each year the program grows through recommendations as people learn of the variety of programs available. We currently track program participation using registration forms, sign in sheets and written evaluations. Data is entered in an extensive database of participants and other interested parties on a daily basis so data can be sorted and analyzed in numerous ways. Quality assurance is done by direct observation of programs by supervisory staff and outside observers when requested as well as review of written evaluations. We will incorporate an expanded monitoring and evaluation plan for each of the three years using new methodologies suggested by experts with the UC Davis Education Department and other professionals as needed.

c. Monitoring and Assessment Plans Written evaluations and oral feedback by program participants are currently a primary tool of assessing the new programs. These evaluations are utilized for adapting the program for increased effectiveness. Additionally, teacher advisors to the program are asked to assist in the review and revision of activities based on assessments of the program. Numbers and types of participants, age, school, school district, and geographical location will to be tracked for each year of the program. Foundation staff currently do not have experience in evaluating knowledge gains and changes in attitude. Task 5 of this proposal will be the design of a monitoring and evaluation program with professional consultation. We have spoken with Barbara Merino, University of California, Davis, Education Department staff regarding assisting the Foundation with a monitoring and assessment plan. The Yolo County Office of Education is currently developing a program to provide monitoring and assessment services including training to community programs. According to Jorge Ayala, Yolo County Superintendent of Schools, DTFII will be eligible for this service.

d. Data Handling and Storage The Foundation currently maintains a detailed computer database of teacher contacts, volunteers, and other participants. Reports using this data can be generated upon request. Registration forms, written evaluations, sign in sheets, scheduling materials and other reports are on file in the Foundation office and can be reviewed as requested. The program director is responsible for data collection and review.

e. Expected Product/Outcomes: The Yolo Basin Foundation proposes to offer the following programs for the next three years. We find that much of the increasing popularity of DTFI is due to personal recommendations by teachers participating in the program. Three years of consistent programming will allow for a steady increase in program attendance. It will also allow a more thorough evaluative approach to monitoring the effectiveness of the programs. Refer to Table 2 for projected participation numbers by task and subtask.

Task 1: Teacher Watershed Academy: The Academy will be an annual three-day seminar sponsored by the Yolo Basin Foundation focusing on Yolo Basin watersheds including hands-on activities, guest speakers, and field trips. Participants will examine many topics in light of three criteria: Water quality, water quantity, and water distribution. They will evaluate how management strategies have affected each. Other subjects to be included will be groundwater, California water history, geologic processes influencing water, biological processes, habitats within watersheds, and threats to the Delta Ecosystem.

Outcome: The Watershed Academy will become a model workshop for other watershed academies throughout the state. After completing the Academy, 15-20 teachers, annually, will have an increased understanding of all water processes, as well as first-hand experience viewing significant geographical landmarks within these watersheds.

Task 2: Expanded Teacher Workshop/Student Event Opportunities

The Yolo Basin Foundation will sponsor each of the listed programs for three years. This effort will include advertising and outreach, registration and confirmation, production of materials, scheduling and logistical arrangements, teacher contacts and evaluations.

Subtasks: (1) Project WET: A K-12 teacher workshop on water topics will be offered for the third consecutive year in cooperation with State Fish and Game.

(2) Salmonids in the Classroom: This project, sponsored by the Department of Fish and Game and local fly-fisher groups, offers teachers curriculum and aquarium supplies to grow salmon eggs to the fry stage and subsequently release them in the Sacramento River. Activities from this curriculum can be incorporated into daily field trips to the Yolo Wildlife Area.

(3) Introduction to Watershed Education: A workshop co-hosted with the Water Education Foundation to teach 8th-12th grade teachers how to measure and monitor for parameters of water quality, including nutrients and bio-assessment.

(4) Nature Bowl: An event for 3rd-6th graders held at the Yolo Wildlife Area to promote learning about natural systems and the local environment. At the Yolo site, much of the subject matter relates to wetland ecosystems. Co-sponsored with the Department of Fish and Game, Yolo

County Office of Education, Department of Water Resources, Yolo Resource Conservation District.

(5)Marsh Madness: A special twice-yearly event sponsoring field trips for under-served schools from throughout the region to visit the Yolo Wildlife Area. The sponsored classes (led by a teacher who previously attended a DTF workshop) would not otherwise be able to attend a field trip due to financial constraints. Lunch and transportation are provided, as well as volunteers to assist with the hands-on learning activities. This event is co-sponsored with the California Waterfowl Association and the Sacramento Zoo.

Outcomes: Expanded opportunities for teachers, to increase their knowledge of North Delta related concepts and biological processes. This first hand knowledge increases their effectiveness in teaching these concepts. Opportunities for students to take part in field trips and hands-on outdoor activities increases their knowledge, familiarity and comfort level with the ecological communities of the region. Students learn about the life cycle and habitat requirements of special status and harvestable species.

Task 3: General Public Educational Opportunities

The Yolo Basin Foundation will sponsor each of the following programs free of charge. This effort will include advertising and outreach, scheduling volunteer leaders, speakers and other logistical arrangements, registration and confirmation, production of materials, and evaluation.

Subtasks: (1) Public field trips to Yolo Wildlife Area and other natural areas: Monthly or bi-monthly trips offer opportunities to learn about wildlife in its natural setting. Monthly trips to the Yolo Wildlife Area, plus other watershed sites such as Lake Solano, Davis Wetlands, Conaway Ranch, and a circumnavigation tour of the Putah-Cache Creek watersheds will be scheduled.

(2)Flyway Nights Lecture Series: Six presentations on various wetland-related topics by experts. Topics include Wildlife Area Management, Fish in the Yolo Bypass, UC Davis research on waterfowl, native vegetation, wildlife identification, and wildlife photography.

(3)Davis Wetlands: A new program to be co-sponsored with the City of Davis using volunteer docents to lead regularly scheduled tours of this unique project which blends storm-water runoff and wastewater effluent into a series of cleansing ponds while concurrently being managed for wildlife habitat. Yolo Basin Foundation will be responsible for training and scheduling of docents as well as outreach.

(4)Yolo Wildlife Area Information Assistants: This is a new program tested in spring, 2000. Volunteer guides are stationed in the Yolo Wildlife Area on weekend days to talk to visitors, and distribute educational materials, binoculars, and wildlife viewing information

(5)Volunteer Opportunities: Training is available for student interns and adults to share their enthusiasm and learn about Delta environments through volunteering for the school program or the Davis Wetlands docent program, leading public field trips, becoming Wildlife Area assistants, or wildlife monitoring.

Outcomes: As a result of these easily accessible public education programs, hundreds of citizens in the North Delta Region will become more aware of their natural surroundings through a variety of programs and methods. Participants learn about the habitat enhancement within Yolo Bypass when flooded and how floodplain habitat can aid in increasing native fish populations. Visitors to the Davis Wetlands gain first-hand knowledge of how one community is improving the quality of waste and storm-water to the Delta. Citizens learn about native plant communities and the threat from non-native invasive species. Community members are given an enjoyable opportunity to participate in training and educational programs and to share their knowledge with the public through diverse volunteer opportunities. Hundreds of citizens are made aware of the habitat-related projects and opportunities within their communities through a steady and reliable source of information and education. This increased knowledge and awareness will enable more members of the public to understand the concepts supporting CALFED goals.

Task 4: Project-Based Learning

This is a new program based on the concept that enhanced learning comes through meaningful real-world experiences. Students help plan a specific project, often with community professionals and their teachers, combining several subject disciplines. Two to four targeted classes within the Yolo Basin will participate in a student-designed program either at their school site or the Yolo Wildlife Area. The Foundation will target specific teachers to implement specific projects within the Yolo Basin.

Outcome: Students learn to work as a group, use adaptive management techniques, finance the project, and evaluate the outcomes. They will experience the environment of the North Delta Region from the standpoint of actually doing restoration-related activities. Their engagement in these activities will help increase their knowledge and awareness of concepts relating to the Delta ecosystem. Other citizens, agencies and businesses will be involved in these projects.

In studies done by the State Education and Environment Roundtable (SEER), environment-based educational activities had positive effects on both academic scores and attendance, and included reduced discipline problems and increased engagement and enthusiasm for learning.

Task 5: Monitoring and Assessment:

Design a monitoring and assessment system using contracted professional services.

Outcome: A report on the monitoring and assessment of many aspects of the programs suggesting actions that will lead to program improvement by modifications to program content and structure.

Task 6: Project Management

Tasks will include program data collection, budget tracking, preparation of required reports and other project management related activities.

Outcome: Invoices, Quarterly reports, and other required or requested reports.

f. Work schedule

Assuming that contracts are in place, activities funded under this proposal will begin January – February 2001 and continue on a similar annual schedule for three years.

Task 1: Provide Watershed Academy: Planning for the summer academy will begin in February, 2001. Outreach will begin in April 2001, with registration continuing through June. The Academy will take place in July of each of the three years.

Task 2: Provide Expanded Teacher Workshop/Student Event Opportunities *

Planning for workshops and events will begin in March 2001. Workshops and events will be held throughout the next three years.

Project WET: February 2002, 2003, 2004

Nature Bowl: March 2002, 2003, 2004

Marsh Madness (two events annually): November 2001 and May 2002, November 2002 and May 2003, November 2003 and May 2004

Introduction to Watershed Ed: April 2001, April 2002, April 2003

Task 3: Provide General Public Educational Opportunities*

Planning for these events begins in August of each year. These events generally take place year round.

Flyway Nights: November through April (starting Nov. 2001)

Public Field trips: October through July (starting October 2001)

Task 4: Provide Project-Based Learning

Contacts with teachers interested in Project-Based learning will begin in August 2001 and continue year round for three years.

Task 5: Monitoring and Evaluation*

Design of monitoring and evaluation program with outside assistance will begin during the planning for each of the programs. (Starting Jan. or Feb. 2001)

*** Inseparable/high priority tasks**

g. Feasibility The Yolo Basin Foundation has successfully implemented a variety of programs over a ten year period. We have demonstrated that the skills and organizational structure to implement a variety of educational programs are in place and ready for program expansion. The site and equipment are available. There is a database of over 200 teachers who have participated in educational programs, and the list is growing. The success of DTFI shows that an expansion is feasible. In 1997 the Yolo Basin Foundation successfully negotiated and signed a Memorandum of Understanding with California Department of Fish and Game formally establishing the educational partnership between the Foundation and the Department and documenting the Foundation's role in providing educational programs for the Yolo Wildlife Area. No additional permits or agreements are needed to proceed with the program. There are no other constraints that could impact the schedule and implementability of the project. The City of Davis and the privately-owned Conaway Ranch are already participating in Discover the Flyway I by offering their respective sites as educational venues for school children and public field trips. Letters regarding permission for access to the Yolo Wildlife Area, Davis Wetlands and Conaway Ranch are included as Attachment C.

D. Applicability to Calfed ERP Goals

1. ERP Goals and CVPIA Priorities

This proposal directly addresses all six ERP Goals (p, 17-21, PSP):

Goal 1 - At-Risk Species

Within the proposed educational programs, the Foundation addresses the topic of At-Risk Species in many ways. Through public field trips and the Flyway Nights lecture series, citizens are informed of habitat requirements for particular at-risk species, such as the Swainson's Hawk, California Splittail, and salmonids, and are shown possible solutions for increasing populations of these threatened species. Students and teachers, through hands-on learning activities, learn about the biotic processes that must take place to provide essential habitat for these species. They see through first-hand experiences where these species live, and not uncommonly get a glimpse of the animals themselves.

Goal 2 - Ecosystem Processes and Biotic Communities

Fresh water wetland ecosystems and related habitats (riparian and upland) are the focus of the Foundation's educational programs. Through extensive teacher preparation and use of the Foundation's *Wild About Wetlands* classroom resource kits, students arriving at the Yolo Wetlands know the primary benefits of wetlands: flood control, water cleansing, habitat for animals, some types of food production, groundwater recharge, and recreational opportunities for humans. They are able to identify food chains and organisms that exist in a wetland ecosystem. They all know that an animal's home is its habitat, and each animal has particular requirements essential to survival. Public field trips take place in the midst of wetland habitat, enabling participants to learn about these ecosystems through knowledgeable leaders. The Yolo Wildlife Area and Demonstration Wetlands, Conaway Ranch, Davis Wetlands are all easily accessible sites and provide examples of a wide variety of biotic communities. Through field visits, students and the general public observe ecosystem processes first hand. The Flyway Nights lecture series addresses particular species and habitats (i.e. floodplain or riparian) for a more focused learning experience.

Goal 3 – Harvestable Species

The Discover the Flyway program includes activities through teacher workshops, school programs, public field trips and lecture series that introduce participants to the relationship and importance of hunting and fishing to habitat restoration and management. The program is in collaboration with the Department of Fish and Game who manage an on-site hunting program. The Foundation sponsors educational programs in coordination with the California Waterfowl Association (e.g. Marsh Madness), an organization that promotes methods for increases in harvestable waterfowl populations. Specific salmon-related curricula (Salmonids in the Classroom) present the importance of critical habitat to support these species.

Goal 4 - Habitats

The Yolo Wildlife Area and Demonstration Wetlands contain four wetland and related habitats: permanent ponds and seasonal fresh water marsh, riparian, and grassland/oak savanna. Our educational programs encourage first-hand experience with these habitats.

Goal 5 – Non-native Invasive Species

Various Discover the Flyway activities introduce participants to the problems involved with non-native invasive species. Conversely, the school program encourages students to participate in

planting native grass and sedge species as well as learning to identify other native vegetation. The Davis Wetlands offers an exceptional opportunity to view pure stands of restored native vegetation. These activities enable educators and the general public to understand and support efforts to limit and/or eliminate populations of invasive species so that native species are better able to support native wildlife. Through specific educational activities such as Nature Bowl, students learn life cycle requirements and the harmful effects of non-native invasive species.

Goal 6 - Sediment and Water Quality

Wetlands, through natural processes, help filter sediment and improve water quality through absorption and volatilization of toxics. Students learn from activities such as the "Wetland in a Pan" activity which demonstrates that wetland vegetation slows runoff and sediments. The "Introduction to Watershed Ed" workshop focuses primarily on water quality and how testing methods are used to determine water quality parameters.

2. Relationship to Other Ecosystem Restoration Projects

The field sites for DTF are all well-known ecosystem restoration projects: the Vic Fazio Yolo Wildlife Area - 3700 acres of restored wetland habitat with the Army Corps of Engineers and State Fish and Game as cost share partners; Yolo Demonstration Wetlands -- a 3-acre wetland restoration project at the Yolo Wildlife Area Headquarters; the Davis Wetlands -- a 400-acre wetland restoration project with the Army Corps of Engineers and the City of Davis as cost share partners at the Water Pollution Control Plant. The Conaway Ranch is well-known for its wildlife-friendly farming methods that have restored thousands of acres of wetland habitat. Other nearby restoration sites are located along Putah Creek on lands owned by the City of Davis.

This program relates to the Yolo Bypass Working Group project being implemented by the Yolo Basin Foundation. The goal of the project is to develop a locally-driven management strategy for the Yolo Bypass. The Working Group addresses the issue of conservation easements and encourages landowners in the Yolo Bypass to incorporate wildlife friendly farming into their current farming methods. This proposal also relates to all wetlands restoration projects within the Yolo Bypass, as it exemplifies a successful approach to restoration projects implemented through many diverse organizations.

3. Requests for Next-Phase funding: Refer to Attachment D.

4. Previous recipients of Calfed or CVPIA funding: The Yolo Basin Foundation is the recipient of the following Calfed funding:

Project title: Discover the Flyway Calfed Project number: 98-H1008 status: (see Attachment D)

Project title: Management Strategy for the Yolo Bypass Calfed Project number: 98-G1033 (National Fish & Wildlife Foundation #98E) Status: completed 10 months of a 15 month project.

5. System-wide ecosystem benefits

Discover the Flyway, being an ecosystem-based education program, provides educational material that relates to the entire Yolo Bypass, the Delta and the entire Sacramento River system. By becoming informed about these systems, thousands of teachers, students, parents and members of the general public are empowered to become informed decision-makers and better stewards of resources. Ultimately this leads to system-wide, synergistic benefits.

E. Qualifications

The Yolo Basin Foundation has a proven record of success and is recognized for its leadership in both the conservation and environmental education communities. It is universally credited with being the driving force behind the creation of the Yolo Basin partnership that led to establishment of the 3700-acre Vic Fazio Yolo Wildlife Area. President Clinton acknowledged this in November 1997 by saying, "You're doing the right thing and you're doing it in the right way....there is no challenge facing this country that we cannot meet if will just do what you have done here."

Yolo Basin Foundation has 10 years of experience in designing and implementing an array of educational programming. The Foundation is well suited to initiating and managing collaborative educational programs.

Cheryl Chipman, Program Director, will serve as project manager. She has managed the Foundation's educational programs for three years. She will have day to day responsibility for developing and managing the Discover the Flyway II program. She will do the program development, outreach, scheduling, registration, and coordination of activities for the workshops. She will be responsible for data gathering and program assessment. Cheryl has extensive experience in environmental education and outreach through numerous agency and non-profit organizations. She holds a Masters degree in Environmental Policy and Management from the University of Denver.

Torey McCall, program associate, will have program coordination responsibilities. She will be the on-site educator and field trip leader. Her current assignment is with both the Foundation and Department of Fish and Game as educator and field trip leader for the Discover the Flyway program. She also assists with teacher workshops and facilitates Project WET workshops.

Foundation leadership has been recognized in many ways. In August 1995 the Foundation was presented with a National Wetlands Conservation Award for the Private Sector from the U.S. Fish and Wildlife Service at the Vic Fazio Yolo Wildlife Area groundbreaking ceremony. In his remarks at the ceremony, Secretary of the Interior Bruce Babbitt lauded our success in creating the largest wetlands restoration project west of the Everglades. Other awards to the Foundation include the Award for Excellence in Nonprofit Management given by the San Francisco-based Management Center. At the State of the Estuary conference in October 1996, the Foundation was recognized for outstanding implementation of the Comprehensive Conservation Management Plan for the San Francisco Bay Estuary. An editorial from the Sacramento Bee recognized the role of the Foundation in creating the Vic Fazio Yolo Wildlife Area. The Foundation and the Yolo Wildlife Area have also been featured in the New York Times, the Davis Enterprise, Woodland Democrat, West Sacramento Press, the LA Times, U.S. Water News and Wetland Link International News.

F. Cost (refer to Table 1 – Budget)

1. Budget. Total three year budget: \$197,987

The salary for the three-year budget includes the Program Director at \$30 per hour, and the Program Associate at \$15 per hour. Benefits are calculated at 25% of salary. Transportation costs

are expenses for providing bus transportation for students to and from field sites and transportation during the visit. Supplies are generally written materials and documents to be distributed to teachers or other participants, field supplies, plus snacks and drinks when needed. When in-house expertise or staff resources are not available, outside consultant help will be secured. The first year of the program budget includes additional costs of first-time planning of the new programs. Second and third year budgets will have slightly reduced labor costs built on the premise that the already-initiated programs will take fewer staff hours. Justification for three years of funding is based on allowing time for new programs to become established. Participation each year increases through expanded outreach and as the programs become better known through word of mouth.

Project Management Tasks will be the responsibility of the Program Director, and will include oversight, evaluation, reporting requirements, hiring, consultants, contract administration and negotiation.

Yolo Basin Foundation uses an overhead rate of 32 percent. This rate was determined in accordance with Office of Management and Budget Circular A-122 and the Guide for Nonprofit Organizations for preparing an indirect-cost rate published by the Environmental Protection Agency. This is the rate the Foundation established for federal grants as required by the National Fish and Wildlife Foundation for the CALFED grant that is funding the development of Management Strategy for the Yolo Bypass project. We do not have an established rate for state funds as we have not been awarded any state funds requiring this recently. If state funds are awarded it is anticipated that the same rate would be used. The overhead rate includes general office and organizational operating costs such as rent, office supplies, liability insurance, bookkeeping, telephone, administrative assistance, and management of general organizational requirements.

2. Cost sharing. The California Department of Fish and Game is making significant in-kind contributions estimated at a value of about \$15,000 annually, providing training and educational materials, office, storage and meeting space, field equipment (scopes and binoculars) as well as use of office equipment. They manage the Wildlife Area for wildlife viewing including serviceable roads and parking lots, trails, and provide portable toilets. They also provide salary for a part time environmental educator, and have committed to buying interpretive signage at the Yolo Demonstration Wetlands. Other in-kind services will be made available from California Waterfowl Association in the distribution of *Wild About Wetland* classroom resource kits (produced by Yolo Basin Foundation) to Sacramento and Solano counties, and public field trip assistance from UC Davis Bioregion Project and Yolo Audubon volunteers.

The Yolo Basin Foundation has a diverse funding base that supports its educational programs and makes programs such as this possible. These funds will be used to fund the ongoing Discover the Flyway programs. There is a stable membership base of hundreds of supporters (Friends). Funds also come from the annual Bucks for Ducks fundraiser held every fall. We produce and sell Western Waterfowl Identification cards to stores and refuges all over the U.S. and some in Canada. We also sell the Discovering Yolo County Wildlife by local author John Kemper, who donates the proceeds to the Foundation. We submit several grant proposals to private foundations and corporations with giving programs each year. It is anticipated that only a few of the current year grantors will continue their support in following years. Current year funders for the Discover the Flyway program are Teichert Foundation, U.S. Bureau of Reclamation, Central Valley Habitat

Joint Venture, Dean Witter Foundation, the Katrina and Thornton S. Glide Foundation, the City of Davis, and Friends of the Yolo Basin Foundation (membership).

G. Local Involvement

The Yolo Basin Foundation involves the local community in numerous ways. For teacher-related events, it has the support of the Yolo, Sacramento, and Solano County Offices of Education. They distribute flyers for events via district mail couriers, as well as print professional development opportunities in the county-wide publications. The contributions of many local organizations indicates their support. Yolo Audubon, California Waterfowl Association, Cache Creek Conservancy, Putah Creek Council, Putah-Cache Creek Bioregion Project, Conaway Ranch and the City of Davis provide field sites, educational materials and volunteers. There are many opportunities for local community members to participate as volunteers. Local involvement is encouraged through press releases to local newspapers, articles in the Foundation's newsletter, the *Yolo Flyway*, mailings to names in the Foundation's database, and through participation in California Regional Environmental Education Community (CREEC.)

In addition, the 15 member Board of Directors for the Yolo Basin Foundation consists of a variety of community members representing significant local involvement, including local elected officials, farmers, board of education members, hunters and members of the business community. All adjacent landowners are supportive of Foundation programs and contribute financially.

Local involvement is also evidenced by the support letters in Attachment C.

There are no adverse third party impacts.

H. Compliance with Standard Terms and Conditions

The applicant is familiar with the state and federal standard terms and will comply with them. Refer to signed state and federal forms in Attachment F.

I. Literature Cited:

State Education and Environment Roundtable (SEER), "The Effects of Environment-based Education on Student Achievement", March 2000.

US Army Corps of Engineers, *Project Modification Report and Environmental Assessment*, "Yolo Basin Wetlands, Sacramento River", April, 1992.

Merino, Barbara, University of California, Davis, Department of Education, telephone conversation, April, 2000.

Ayala, Jorge, Yolo County Superintendent of Schools, personal communication, May 4, 2000.

J. Threshold Requirements

Please refer to Attachment G for the Threshold Requirements.

Table 1
Discover the Flyway II Budget

Year	Task	Direct Labor Hours	Subject to Overhead Salary	Benefits	Transportation for Participants	Supplies & Expendables	Service Contracts	Overhead (32 %)	Total Cost
	Task 2-Expanded teacher workshops								
	Student Event Opportunities								
	Subtask 1- Project WET	270	\$6,750	\$1,690	\$500	\$1,400	\$500	\$3,469	\$14,309
	Subtask 2 - Salmonids in the Classroom	40	\$900	\$225		\$200		\$424	\$1,749
	Subtask 3 - Intro to Watershed Ed	60	1500	\$375		\$200		\$664	\$2,739
	Subtask 4 - Nature Bowl	40	\$900	\$225		\$500	\$500	\$680	\$2,805
	Subtask 5 - Marsh Madness	100	\$2,700	\$675		\$200		\$1,144	\$4,719
		30	\$750	\$190	\$500	\$300		\$557	\$2,297
	Task 3- Public Education	345	\$9,000	\$2,250	\$0	\$1,600	\$300	\$4,208	\$17,358
	Subtask 1-Public Field Trips	100	\$2,700	\$675		\$200		\$1,144	\$4,719
	Subtask 2- Flyway Nights	50	\$1,350	\$338			\$300	\$636	\$2,624
	Subtask 3 - Davis Wetlands Docents	60	\$1,500	\$375		\$200		\$664	\$2,739
	Subtask 4 - Information Assistants	15	\$450	\$113		\$200		\$244	\$1,007
	Subtask 5 - Volunteers	120	\$3,000	\$750		\$1,000		\$1,520	\$6,270
	Task 4 - Project-Based Learning	100	\$2,700	\$675	\$1,500	\$1,000	\$1,500	\$2,360	\$9,735
	Task 5- Monitoring/Evaluation	50	\$1,400	\$350			\$5,000	\$2,160	\$8,910
	Task 6 - Project Management	100	\$3,000	\$750				\$1,200	\$4,950
	Total Cost Year 1		\$27,650	\$7,015	\$3,000	\$5,500	\$8,800	\$16,629	\$68,594

Table 1
Discover the Flyway II Budget

Year	Task	Direct Labor Hours	Subject to Overhead Salary	Benefits	Transportation for Participants	Supplies & Expendables	Service Contracts	Overhead (32 %)	Total Cost
Year 2	Task 1-Teacher Watershed Academy	160	\$3,600	\$1,050	\$1,000	\$1,500	\$1,500	\$2,768	\$11,418
	Task 2-Expanded teacher workshops	250	\$6,150	\$1,538	\$500	\$1,400	\$500	\$3,228	\$13,316
	Subtask 1 - Project WET	40	\$900	\$225		\$200		\$424	\$1,749
	Subtask 2 - Salmonids	40	900	\$225		\$200		\$424	\$1,749
	Subtask 3 - Intro to Watershed Ed	40	\$900	\$225		\$500	\$500	\$680	\$2,805
	Subtask 4 - Nature Bowl	100	\$2,700	\$675		\$200		\$1,144	\$4,719
	Subtask 5 - Marsh Madness	30	\$750	\$188	\$500	\$300		\$556	\$2,294
	Task 3- Public Education	345	\$9,000	\$2,250		\$1,600	\$300	\$4,208	\$17,358
	Subtask 1-Public Field Trips	100	\$2,700	\$675		\$200		\$1,144	\$4,719
	Subtask 2- Flyway Nights	50	\$1,350	\$338			\$300	\$636	\$2,624
	Subtask 3 - Davis Wetlands Docents	60	\$1,500	\$375		\$200		\$664	\$2,739
	Subtask 4 - Information Assistants	15	\$450	\$113		\$200		\$244	\$1,007
	Subtask 5 - Volunteers	120	\$3,000	\$750		\$1,000		\$1,520	\$6,270
	Task 4 - Project-Based Learning	80	\$2,100	\$525	\$1,500	\$1,000	\$1,500	\$2,120	\$8,745
	Task 5- Monitoring/Evaluation	50	\$1,400	\$350			\$5,000	\$2,160	\$8,910
	Task 6 - Project Management	100	\$3,000	\$750				\$1,200	\$4,950
Total Cost Year 2			\$25,250	\$6,463	\$3,000	\$5,500	\$8,800	\$15,684	\$64,697

Table 1
Discover the Flyway II Budget

Year	Task	Direct Labor Hours	Subject to Overhead			Supplies & Expendables	Service Contracts	Overhead (32 %)	Total Cost
Year 3	Task 1-Teacher Watershed Academy	160	\$3,600	\$1,050	\$1,000	\$1,500	\$1,500	\$2,768	\$11,418
	Task 2-Expanded teacher workshops	250	\$6,150	\$1,538	\$500	\$1,400	\$500	\$3,228	\$13,316
	Subtask 1- Project WET	40	\$900	\$225		\$200		\$424	\$1,749
	Subtask 2 - Salmonids	40	900	\$225		\$200		\$424	\$1,749
	Subtask 3 - Intro to Watershed Ed	40	\$900	\$225		\$500	\$500	\$680	\$2,805
	Subtask 4- Nature Bowl	100	\$2,700	\$675		\$200		\$1,144	\$4,719
	Subtask 5 - Marsh Madness	30	\$750	\$188	\$500	\$300		\$556	\$2,294
	Task 3- Public Education	345	\$9,000	\$2,250	\$0	\$1,600	\$300	\$4,208	\$17,358
	Subtask 1-Public Field Trips	100	\$2,700	\$675		\$200		\$1,144	\$4,719
	Subtask 2- Flyway Nights	50	\$1,350	\$338			\$300	\$636	\$2,624
	Subtask 3 - Davis Wetlands Docents	60	\$1,500	\$375		\$200		\$664	\$2,739
	Subtask 4 - Information Assistants	15	\$450	\$113		\$200		\$244	\$1,007
	Subtask 5 - Volunteers	120	\$3,000	\$750		\$1,000		\$1,520	\$6,270
	Task 4 - Project-Based Learning	80	\$2,100	\$525	\$1,500	\$1,000	\$1,500	\$2,120	\$8,745
	Task 5- Monitoring/Evaluation	50	\$1,400	\$350			\$5,000	\$2,160	\$8,910
	Task 6- Project Management	100	\$3,000	\$750				\$1,200	\$4,950
Total Cost Year 3			\$25,250	\$6,463	\$3,000	\$5,500	\$8,800	\$15,684	\$64,697

Table 2 Discover the Flyway II
Projected Participation

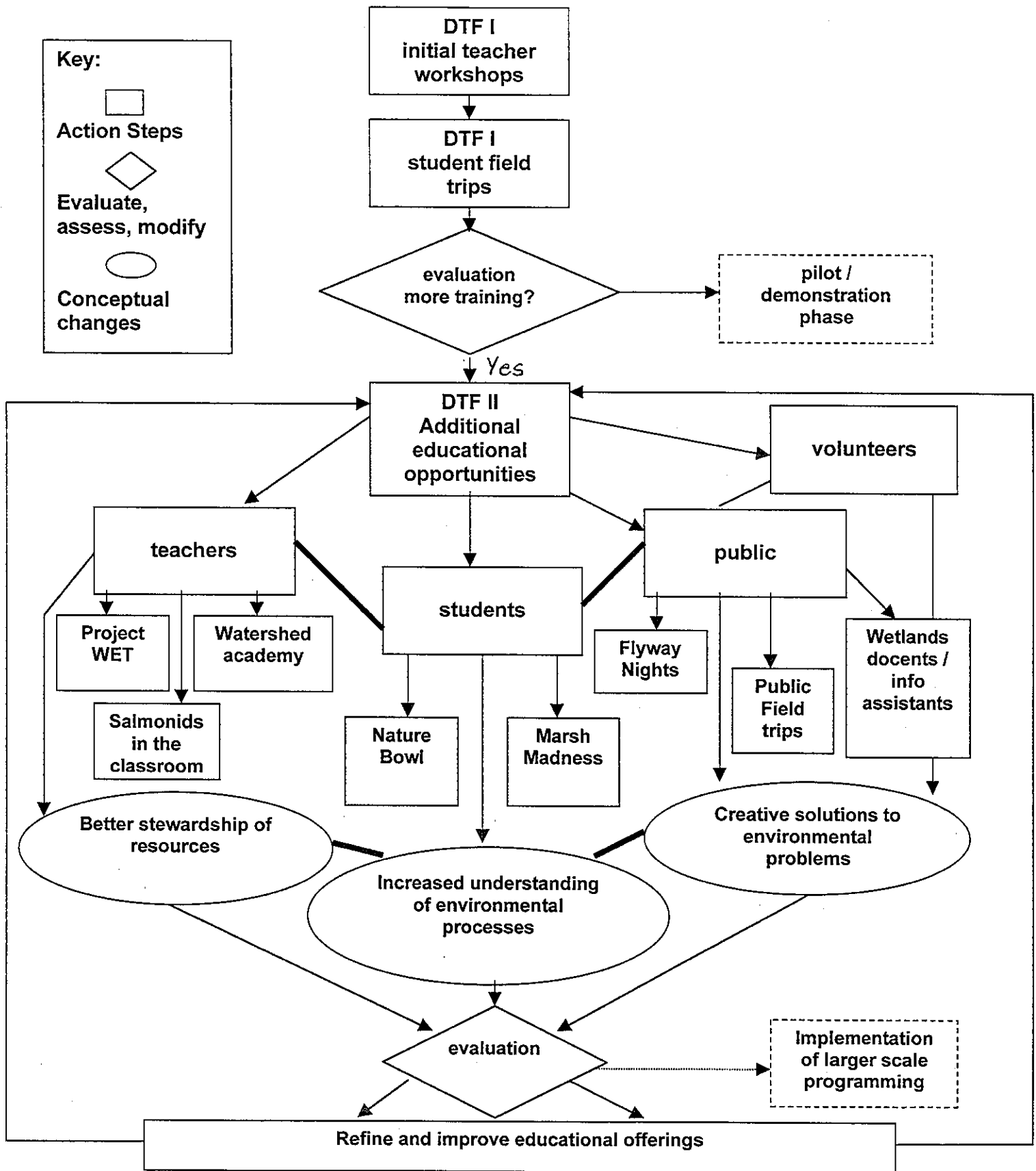
	Participants Year 1					Participants Year 2					Participants Year 3				
Task	Students	Teachers	Volunteers	Public		Students	Teachers	Volunteers	Public		Students	Teachers	Volunteers	Public	
Task 1-Teacher Watershed Academy		15					20				25				
Task 2-Expanded teacher/student opportunities	250	77	20	0	250	82	20	0	250	82	20	0			
Subtask 1 - Project WET		15				20					20				
Subtask 2 - Salmonids		20				20					20				
Subtask 3 - Intro to Watershed Ed		20				20					20				
Subtask 4 - Nature Bowl	120	18	10		120	18	10			120	18	10			
Subtask 5 - Marsh Madness	130	4	10		130	4	10			130	4	10			
Task 3 - Public Education	0	0	51	1360	0	0	63	1660	0	0	75	1900			
Subtask 1-Public Field Trips			12	280			12	280			12	280			
Subtask 2- Flyway Nights				180				180						180	
Subtask 3 - Davis Wetlands Docent Trips			5	300			10	360			15	480			
Subtask 4 - Information Assistants			4	600			6	840			8	960			
Subtask 5 - Volunteers			30				35				40				
Task 4 - Project-Based Learning	60	2	2		75	3	2			90	4	2			
Total	310	79	73	1360	325	85	85	1660	340	86	97	1900			

List of Attachments

- A. Conceptual Model
- B. Vicinity Map
- C. Support & Permission to Access Letters
- D. Request for Next Phase Funding:
Current Status of Discover the Flyway I
- E. Discover the Flyway I Pictures, Poems, and Evaluations
- F. Compliance with Standard Forms and Conditions
- G. Threshold Requirements: Letters of Notification, Environmental
Compliance Checklist, Land Use Check List
- H. Newsletter: *The Yolo Flyway*
- I. Yolo Basin Foundation Board of Directors

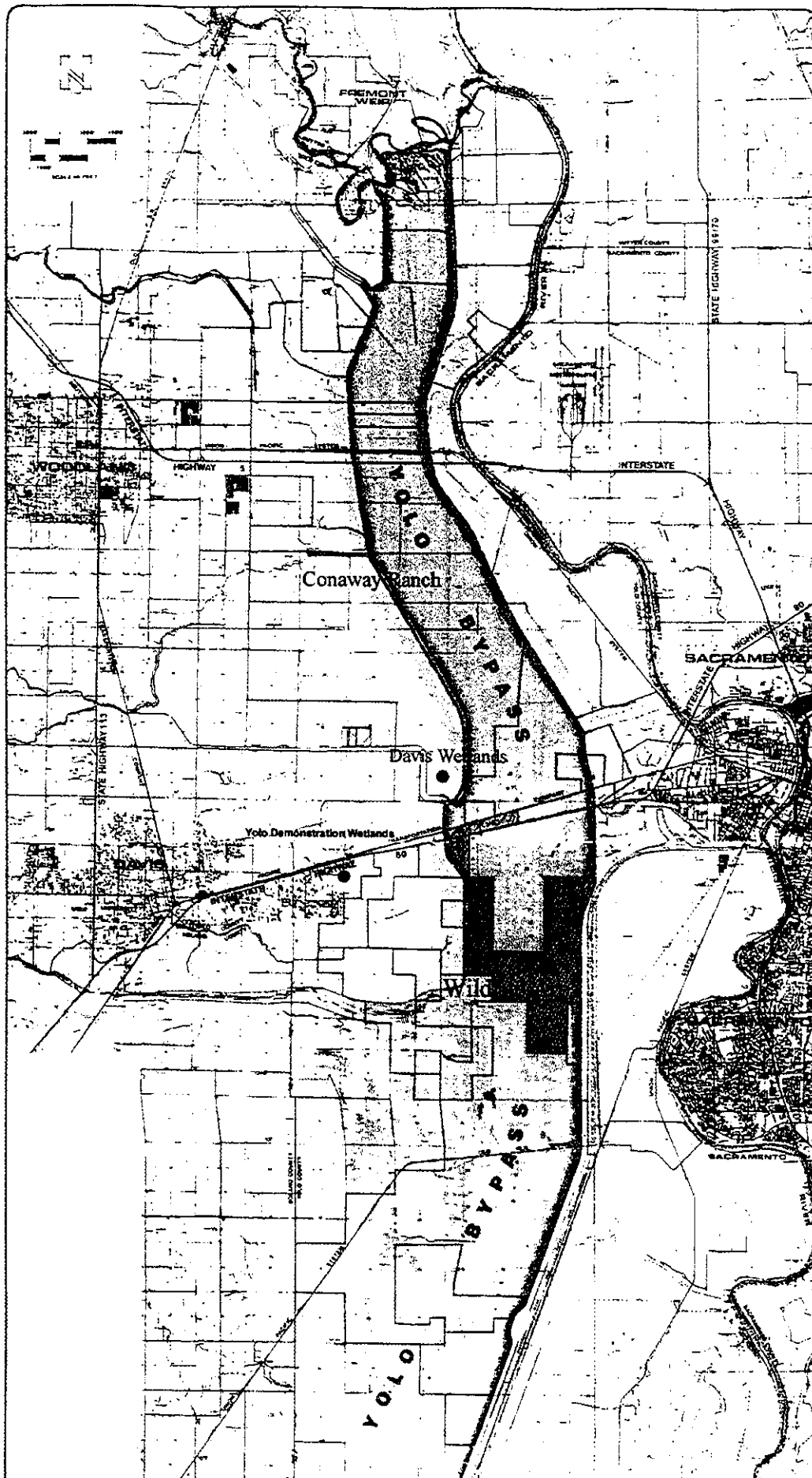
Attachment A
Conceptual Model

Discover The Flyway Conceptual Model



Attachment B

Vicinity Map



Vic Fazio Yolo Wildlife Area

REGIONAL MAP

Attachment C

Support & Permission to Access Letters

DEPARTMENT OF FISH AND GAME

Sacramento Valley and Central Sierra Region
1701 NIMBUS ROAD, SUITE A
RANCHO CORDOVA, CALIFORNIA 95670
Telephone (916) 358-2900



May 10, 2000

Yolo Basin Foundation
P.O. Box 943
Davis, CA 95617

To whom it may concern,

I am writing this letter of support for the Yolo Basin Foundation to receive funding through a CALFED Grant. I have been very pleased of the partnership between the Yolo Basin Foundation and the California Department of Fish and Game at Fazio Yolo Wildlife Area. The Foundation has excelled at developing and conducting school and public services, raising environmental literacy in the greater Yolo County area.

Specifically, they have been an active partner at Nature Bowl, a 3rd-6th grade environmental education program directly serving 120 students with instruction and materials on regional ecology, natural history, conservation and environmental issues. Their expansion of other school services (Project WET workshops, Salmonids in the Classroom, watershed education workshops and Marsh Madness) will be vital services complementing their Discover the Flyway program. Their ecological and restoration components will enable youth and teachers to better understand the workings and importance of the Delta and its tributaries, and further the conservation of this critical ecosystem. The Foundation's public services (field trips to Fazio Yolo Wildlife Area and Davis Wetlands, lecture series, and information guides at wetland sites) will continue to enrich citizens with a greater awareness, appreciation and motivation to conserve wetlands.

The Yolo Basin Foundation has played an invaluable part in bringing quality environmental education to a broad spectrum of people in our communities. The Department of Fish and Game recommends full CALFED funding to further support the Yolo Basin Foundation.

Sincerely,

A handwritten signature in cursive script that reads "Bruce Forman".

Bruce Forman
Supervisor Interpretive Services

**YOLO COUNTY OFFICE OF EDUCATION**Dr. Jorge O. Ayala, *Superintendent*

May 11, 2000

Yolo Basin Foundation
PO Box 943
Davis CA 95617

To whom it may concern:

We are writing to support Yolo Basin Foundation's proposal for funding from CALFED for a *Discover the Flyway II* education program. The Yolo Basin Foundation's wetlands education programs are well regarded throughout the county and provide an important service for teachers, students and their accompanying parents.

The activities that will be supported through years 2001-2003 will be of great value in educating teachers, students and the general public about concepts that lead to the understanding of CALFED goals. We hope that this project will be funded. Yolo County Schools will definitely benefit from this program.

Sincerely,

Jorge O. Ayala, Ed.D.
Superintendent of Schools

jh



Conserving California's waterfowl, wetlands, and waterfowling heritage.

May 8, 2000

To whom it may concern,

I am writing on behalf of the California Waterfowl Association to express support for Yolo Basin Foundation's proposal for funding for *Discover the Flyway II*. The California Waterfowl Association and the Yolo Basin Foundation have partnered on a number of educational activities. In the past two years, we have collaborated on Marsh Madness, which are special days of field trips and field activities at Vic Fazio Yolo Wildlife Area provided for classes from disadvantaged schools. We have also partnered on the production of Wild About Wetlands kits for teachers.

The activities that will be supported through this request will be of great value in educating teachers, students and the general public about concepts that lead to the understanding of CALFED goals. We hope that this project will be funded. We look forward to continuing and expanding our partnership with the Yolo Basin Foundation.

Sincerely,

A handwritten signature in cursive script that reads "Rebecca Easter".

Rebecca Easter
Heritage Programs Director



**California
Waterfowl
Association**

4630 Northgate Blvd.
Suite 150
Sacramento, CA 95834

TEL: (916) 648-1406
FAX: (916) 648-1665

PUBLIC WORKS DEPARTMENT

Mail: 23 Russell Boulevard – Davis, California 95616

Office: 1717 Fifth Street

530/757-5686 – FAX: 530/758-4738 – TDD: 530/757-5666



May 9, 2000

Calfed Bay-Delta Program Office
1416 Ninth St.
Suite 1155
Sacramento, CA 95814

Dear Calfed,

We are working in collaboration with the Yolo Basin Foundation to provide educational opportunities for teachers, students and the community. We support school and public field trips to the Davis Wetlands which is owned and managed by the City of Davis. These trips will take place with the permission of the City of Davis and be accompanied by City or Yolo Basin Foundation staff. This area offers unique educational opportunities for people to see wetland restoration in conjunction with wastewater and stormwater processes. We welcome the opportunity to work with the Foundation to provide an ongoing docent program to make the area more accessible to students and the general public.

Sincerely,

A handwritten signature in black ink, appearing to read "Mike Conner".

Mike Conner
Wildlife Resource Specialist



DEPARTMENT OF FISH AND GAME

Sacramento Valley Central Sierra Region
YOLO BYPASS WILDLIFE AREA
45211 COUNTY ROAD 32B
DAVIS, CALIFORNIA 95616



May 8, 2000

Calfed Bay-Delta Program Office
1416 Ninth Street, Suite 1155
Sacramento, CA 95814

To Whom It May Concern:

We are working in collaboration with the Yolo Basin Foundation to provide educational opportunities for teachers, students and the community. We permit school and public field trips to the Vic Fazio Yolo Wildlife Area which is owned and managed by the California Department of Fish and Game. These trips will take place with the permission of the Department of Fish and Game and be accompanied by a Fish and Game or Yolo Basin Foundation staff.

Sincerely,

A handwritten signature in black ink, appearing to read "David Feliz", with a large, stylized flourish at the end.

David Feliz
Area Manager
Vic Fazio Yolo Wildlife Area



PG&E
Properties, Inc.

4615 Cowell Boulevard
Davis, CA 95616-4367

530.753.8000
Fax: 530.753.1920

May 4, 2000

CalFed Bay-Delta Program Office
1416 Ninth Street, Suite 1155
Sacramento, CA 95814

To Whom It May Concern:

We are working in collaboration with the Yolo Basin Foundation to provide educational opportunities for teachers, students and the community. We support school and public field trips to the Conaway Ranch, which is owned and managed by PG&E Properties. These trips will take place with the permission of PG&E Properties and be accompanied by Conaway Ranch and Yolo Basin Foundation staff.

Sincerely,



Regina Cherovsky
Project Manager

Attachment D

Request for Next Phase Funding: Current Status of Discover the Flyway I

Attachment D: Requests for Next Phase Funding

Project Description: The current project is funded under CalFed No. 98-H1008 for a total of \$49,000 over two years. The goal of the Discover the Flyway (DTF) educational program is to make wetlands and their stewardship, in the context of the Yolo Basin, a consistent educational component in the elementary, middle, and high schools of the Sacramento Region. The program began in August 1997 by training 47 elementary school teachers, giving them the tools to integrate wetlands related curriculum into their lessons and effectively lead field visits to the Vic Fazio Yolo Wildlife Area. A 2-year grant from CalFed for expansion of DTF to middle and high school students was awarded in April 1999 (DTFI). All tasks for year one have been completed and year 2 tasks are underway. Refer to Attachment E for pictures, poems, and evaluations of DTFI activities.

Hypothesis: The hypothesis being tested in DTFI is that teachers will more effectively integrate wetlands curriculum into their coursework if they are provided with direct experience with the subject matter both in the classroom and in the field.

Conceptual Model: The program takes an ecosystem approach to educate teachers and students about wetlands: ecosystem relationships, habitats, species composition, human and natural threats, compatible land uses, and direct participatory action. Our objective is to encourage and develop long-term interest in wetland protection and restoration. The experience and knowledge that DTF offers will ultimately provide thousands of children the tools they need to make informed decisions about their environment.

DTF uses teacher-training workshops to provide teachers with the experience to successfully lead classroom, field studies and restoration activities in the Yolo Basin. The program offers teachers, subsequent to participating in their first workshop, staff support and equipment for classroom field trips to the Yolo Demonstration Wetlands and Yolo Wildlife Area.

Adaptive Management: Teacher, student, and volunteer evaluations from both the workshops and the field trips are being used to continually improve the program to increase its effectiveness.

Tasks: The tasks for the first year of DTFI include: Implementation of DTF field trips; Implementation of a restoration program involving planting sedges at the Yolo Demonstration wetlands; Training volunteer Flyway Assistants to assist with school field trips; Hold 4 teacher workshops; Revise and expand teacher workbook to include activities appropriate for each age group.

Deliverables: All deliverables have been completed including: visits by over 2000 K-12 students; over 5000 native sedges or grass seedlings have been planted; 15 volunteers have been trained (2 training workshops have been held –October and March); 8 teacher workshops have been held (4 in August 1999, one in October 1999, and one in March 2000 plus a Project Wet Workshop in January, and an Introduction to Watershed Education was piloted in collaboration with the Water Education Foundation); 120 teachers have been trained under DTFI; the teacher workbook was updated and expanded by program staff (completed in August 1999).

The tasks for the second year of DTFI are similar to those listed above. The first year included a task to train middle school teachers. The second year includes a task to train high school teachers. That task was moved up a year and completed in August 1999. One complete workshop was devoted to these age groups. This training will be done again this year in conjunction with the four August 2000 workshops.

Fiscal Status: The first year of DTFI was completed on time and within the project budget. We anticipate the same for the second year.

Data Collection: DTF has accomplished tremendous growth. It has increased its service population from 800 school children in its first year to nearly 2400 in its third year. 102 schools from Sacramento, Yolo and Solano Counties are participating in DTFI. Participation by county is: Yolo-- 58%; Sacramento -- 35%; Solano -- 6%. This represents participation from 18 different public school districts and 12 private schools. Participation of both students, teachers, and parents is outlined in the chart below. Parent participation ratio is averaging around 5:1.(Students:parents)

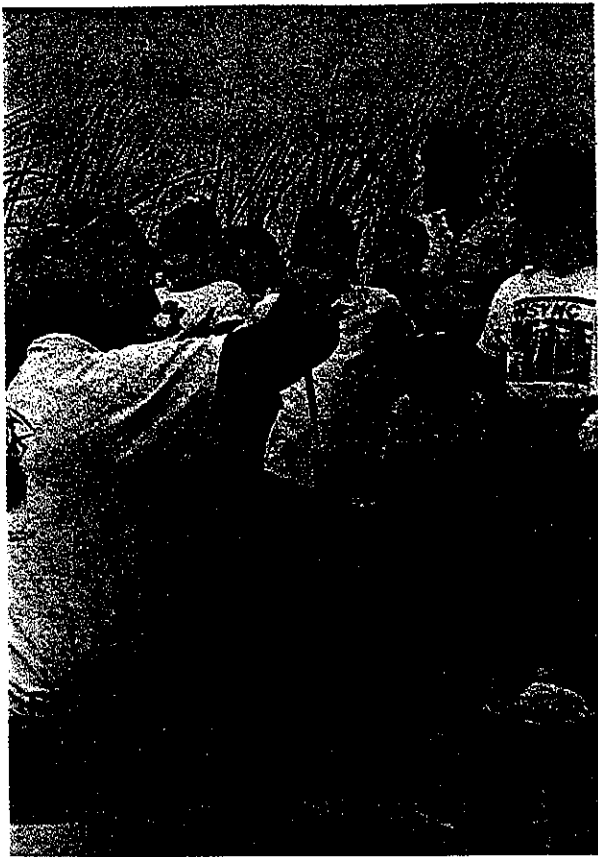
	<u>Teachers trained</u>	<u>Student visits</u>	<u>Parent visits</u>
1997/98	47	800	120
1998/99	69	1600	280
1999/2000	98	2379	394
Total	214	4779	794

Of the teachers trained, 76% teach elementary school, 16% teach middle school, and 9% teach high school.

Monitoring and Evaluation: The number, age, and geographic location of all participants is tracked continually. Teachers are asked to fill out evaluation forms at the workshop to give effective feedback on course content. Teacher advisors provide direct input into workshop content and suitability of curriculum for students. Peer review of field trips by cooperating environmental educators is also conducted. Additionally, field trip evaluation forms are sent to each teacher bringing a class on a field trip. An informal form of evaluation also takes place in the form of the many thank you letters, poems, and murals that we receive from the students. Survival rate of the sedge and grass plantings is also tracked. Refer to Attachment E, a sample of evaluation forms received.

Attachment E

Discover the Flyway I Pictures, Poems, & Evaluations



**duck banding with California
Waterfowl Association**



**pond exploration at the Yolo
Demonstration Wetland**

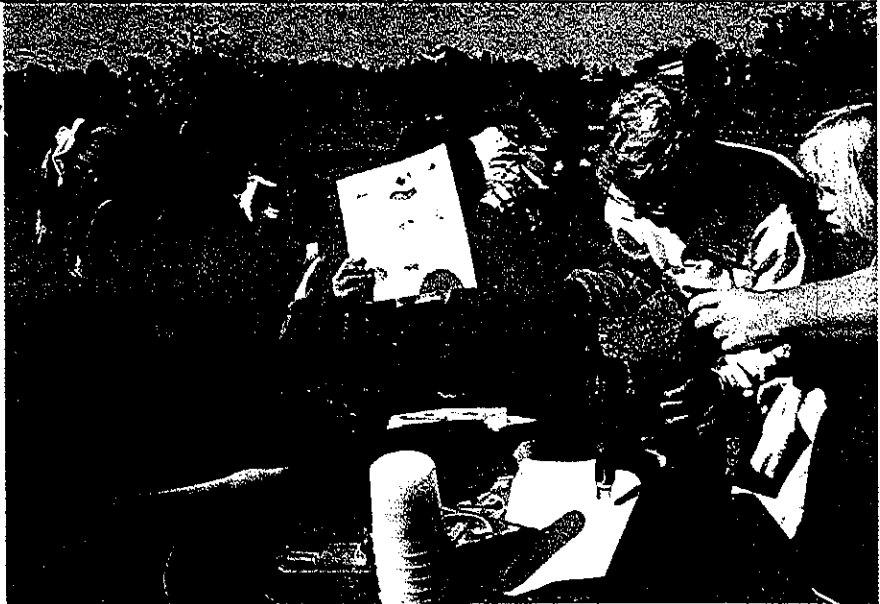


**students exploring seasonal wetlands inside
the Vic Fazio Yolo Wildlife Area**



students participating
in a native plant
identification activity
at the Yolo
Demonstration Wetland

students doing pond study
and water quality activities
at the Yolo Demonstration
Wetland area



students learning about
camouflage and un-
natural items in an
activity called
the Un-Nature Trail

WETLAND WONDERS

THE WATER RIPPLES
THE TREES BEND
THE BIRDS FLY AND SWIM
BUTTERFLIES FLUTTER
SUNSHINE SHINES ON ALL KINDS OF FEATHERS
THESE ARE THE WETLAND WONDERS

BY MICHELLE SHAFFER
GRADE 6

The Wetlands

The wetlands can be hot or cold
The plants there will get very old
The birds that go there like to tweet
The plants that grow there are very sweet
There are many dragonflies in the air
Next year I hope we go back there.

by Shane Stowe
grade 6

THE WETLANDS

Wind blows the cattails
The water moves the duckweed
Fish eat the duckweed
Flies zoom around
dirt blows in your faces
when you look up ,
the sun is in your eyes,
Then you see dragon flies, up in the sky.

Name (optional) Stacy Branzil

Discover the Flyway
Field Trip Evaluation Form

Thank you for participating in the Discover the Flyway field trip program. We would like to improve the services we provide for you. Please help us by answering the following questions as completely as possible.

How many people attended the field trip? Students 18 Teachers 1 Parents 5
(Keeping count is important for our records)

What was the best part of your field trip experience at the Yolo Bypass Wildlife Area?

The children liked the pond water experiment the best.

What could have been better?

I should have come earlier so we could stay at the wetlands longer.

Please comment on students reactions, impressions. *when we saw all the birds out in the wetlands one of the boys said, "Wow!" "I guess wetlands are important!"*

What was the overall effect on students learning due to the field trip? Please rate along continuum.
Major Improvement Minor improvement No change

-----+-----

Comments: *my favorite field trip yet this year!*

Please rate the usefulness of teacher workshop? (1) very useful, 5=not useful) _____

Are you interested in additional training/workshops throughout the year? Yes Don't need _____
Please list topics you'd like to see covered _____

What other field equipment would you find useful? back

We would like your comments on ways to improve the DTF program, including workshop materials, reservation process, field trip assistance. Please give us any suggestions that would be helpful.

SUGGESTIONS/COMMENTS: (Please continue on back if needed)

fall
winter
late spring

I'd like to bring my class out 3 K a year to see the changes and I'd like to have different hands on activities for each trip. If you don't have enough (9) activities appropriate for 6-7 yr. olds I would help develop them.

Name (optional) Barbara Cauer

Discover the Flyway
Field trip evaluation form
Conaway Ranch

Thank you for participating in the Discover the Flyway field trip program. We would like to improve the services we provide for you. Please help us by answering the following questions.

How many people attended the field trip? Students 29 Parents 6
Teachers 2

What was the best part of your field trip? Seeing all of the wildlife;
learning about the Wood Ducks; learning
about rice farming; being in the country!
What could have been better?

Please comment on students reaction, impressions. Please read student
letters ;)

What was the overall effect on students learning due to the field trip? Definitely an
appreciation for the preservation of wildlife
habitats

Please rate the usefulness of the teacher workshop. (1=very useful, 5=not useful)

Are you interested in additional training/workshops throughout the year?
Yes X Don't need

We appreciate you comments on ways to improve the program. Please give us any other suggestions that would be helpful. Thank you!

Thanks for giving us the opportunity
to participate in this wonderful field trip
experience. It was great!

Discover the Flyway Teacher Evaluation Form

- 1) During the training course, I wish we had...

Couldn't have fit more in.
Very full, very good orientation

- 2) What did you like best about the course?

Visiting the wetlands.
Hands on activities
John Keshel on birds
Familiarization w/ kits
Handbook.
Learning something ^{new} (many things, actually)

- 3) Other comments?

You all did a great job.
Your enthusiasm & organization were real plus.
Content rich
Thanks for keeping time in reasonable control!
Very valuable day!

- 4) I heard about the course through: (check all that apply)

Flyer to me _____ Flyer to school/principal _____ Recommended by another teacher _____

Read about it in newspaper _____ Saw it in School District publication X

Discover the Flyway Teacher Evaluation Form

1) During the training course, I wish we had... *been notified of decent training for Bypass, Davis Wetlands, Conaway Ranch areas. I wish I had time to participate in all the trainings!*

2) What did you like best about the course?

touring the Yolo Basin (Bypass) Wildlife area was essential for me to initiate a field trip for students to this area. It was great to observe the many birds we saw. Staff was very well prepared and hospitable. I greatly appreciate it.

3) Other comments?

Are there decent trainings? Could I get other teachers and parents trained and open up the resources.

In the area run through charitable donations, tax funded government agencies? If so, the resources should be utilized by as many students as possible. The best way is through the networking you're starting.

4) I heard about the course through: (check all that apply)

Flyer to me ☒ Flyer to school/principal _____ Recommended by another teacher _____

Read about it in newspaper ☒ Saw it in School District publication _____

All publications and notices have been very informative and welcoming. Your staff is very accommodating and helpful.

Attachment F

Compliance with Standard Forms and Conditions

ASSURANCES - NON-CONSTRUCTION PROGRAMS

Public reporting burden for this collection of information is estimated to average 15 minutes per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the Office of Management and Budget, Paperwork Reduction Project (0348-0040), Washington, DC 20503.

PLEASE DO NOT RETURN YOUR COMPLETED FORM TO THE OFFICE OF MANAGEMENT AND BUDGET. SEND IT TO THE ADDRESS PROVIDED BY THE SPONSORING AGENCY.

NOTE: Certain of these assurances may not be applicable to your project or program. If you have questions, please contact the awarding agency. Further, certain Federal awarding agencies may require applicants to certify to additional assurances. If such is the case, you will be notified.

As the duly authorized representative of the applicant, I certify that the applicant:

1. Has the legal authority to apply for Federal assistance and the institutional, managerial and financial capability (including funds sufficient to pay the non-Federal share of project cost) to ensure proper planning, management and completion of the project described in this application.
2. Will give the awarding agency, the Comptroller General of the United States and, if appropriate, the State, through any authorized representative, access to and the right to examine all records, books, papers, or documents related to the award; and will establish a proper accounting system in accordance with generally accepted accounting standards or agency directives.
3. Will establish safeguards to prohibit employees from using their positions for a purpose that constitutes or presents the appearance of personal or organizational conflict of interest, or personal gain.
4. Will initiate and complete the work within the applicable time frame after receipt of approval of the awarding agency.
5. Will comply with the Intergovernmental Personnel Act of 1970 (42 U.S.C. §§4728-4763) relating to prescribed standards for merit systems for programs funded under one of the 19 statutes or regulations specified in Appendix A of OPM's Standards for a Merit System of Personnel Administration (5 C.F.R. 900, Subpart F).
6. Will comply with all Federal statutes relating to nondiscrimination. These include but are not limited to: (a) Title VI of the Civil Rights Act of 1964 (P.L. 88-352) which prohibits discrimination on the basis of race, color or national origin; (b) Title IX of the Education Amendments of 1972, as amended (20 U.S.C. §§1681-1683, and 1685-1686), which prohibits discrimination on the basis of sex; (c) Section 504 of the Rehabilitation Act of 1973, as amended (29 U.S.C. §794), which prohibits discrimination on the basis of handicaps; (d) the Age Discrimination Act of 1975, as amended (42 U.S.C. §§6101-6107), which prohibits discrimination on the basis of age; (e) the Drug Abuse Office and Treatment Act of 1972 (P.L. 92-255), as amended, relating to nondiscrimination on the basis of drug abuse; (f) the Comprehensive Alcohol Abuse and Alcoholism Prevention, Treatment and Rehabilitation Act of 1970 (P.L. 91-616), as amended, relating to nondiscrimination on the basis of alcohol abuse or alcoholism; (g) §§523 and 527 of the Public Health Service Act of 1912 (42 U.S.C. §§290 dd-3 and 290 ee 3), as amended, relating to confidentiality of alcohol and drug abuse patient records; (h) Title VIII of the Civil Rights Act of 1968 (42 U.S.C. §§3601 et seq.), as amended, relating to nondiscrimination in the sale, rental or financing of housing; (i) any other nondiscrimination provisions in the specific statute(s) under which application for Federal assistance is being made; and, (j) the requirements of any other nondiscrimination statute(s) which may apply to the application.
7. Will comply, or has already complied, with the requirements of Titles II and III of the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970 (P.L. 91-646) which provide for fair and equitable treatment of persons displaced or whose property is acquired as a result of Federal or federally-assisted programs. These requirements apply to all interests in real property acquired for project purposes regardless of Federal participation in purchases.
8. Will comply, as applicable, with provisions of the Hatch Act (5 U.S.C. §§1501-1508 and 7324-7328) which limit the political activities of employees whose principal employment activities are funded in whole or in part with Federal funds.

9. Will comply, as applicable, with the provisions of the Davis-Bacon Act (40 U.S.C. §§276a to 276a-7), the Copeland Act (40 U.S.C. §276c and 18 U.S.C. §874), and the Contract Work Hours and Safety Standards Act (40 U.S.C. §§327-333), regarding labor standards for federally-assisted construction subagreements.
10. Will comply, if applicable, with flood insurance purchase requirements of Section 102(a) of the Flood Disaster Protection Act of 1973 (P.L. 93-234) which requires recipients in a special flood hazard area to participate in the program and to purchase flood insurance if the total cost of insurable construction and acquisition is \$10,000 or more.
11. Will comply with environmental standards which may be prescribed pursuant to the following: (a) institution of environmental quality control measures under the National Environmental Policy Act of 1969 (P.L. 91-190) and Executive Order (EO) 11514; (b) notification of violating facilities pursuant to EO 11738; (c) protection of wetlands pursuant to EO 11990; (d) evaluation of flood hazards in floodplains in accordance with EO 11988; (e) assurance of project consistency with the approved State management program developed under the Coastal Zone Management Act of 1972 (16 U.S.C. §§1451 et seq.); (f) conformity of Federal actions to State (Clean Air) Implementation Plans under Section 176(c) of the Clean Air Act of 1955, as amended (42 U.S.C. §§7401 et seq.); (g) protection of underground sources of drinking water under the Safe Drinking Water Act of 1974, as amended (P.L. 93-523); and, (h) protection of endangered species under the Endangered Species Act of 1973, as amended (P.L. 93-205).
12. Will comply with the Wild and Scenic Rivers Act of 1968 (16 U.S.C. §§1271 et seq.) related to protecting components or potential components of the national wild and scenic rivers system.
13. Will assist the awarding agency in assuring compliance with Section 106 of the National Historic Preservation Act of 1966, as amended (16 U.S.C. §470), EO 11593 (identification and protection of historic properties), and the Archaeological and Historic Preservation Act of 1974 (16 U.S.C. §§469a-1 et seq.).
14. Will comply with P.L. 93-348 regarding the protection of human subjects involved in research, development, and related activities supported by this award of assistance.
15. Will comply with the Laboratory Animal Welfare Act of 1966 (P.L. 89-544, as amended, 7 U.S.C. §§2131 et seq.) pertaining to the care, handling, and treatment of warm blooded animals held for research, teaching, or other activities supported by this award of assistance.
16. Will comply with the Lead-Based Paint Poisoning Prevention Act (42 U.S.C. §§4801 et seq.) which prohibits the use of lead-based paint in construction or rehabilitation of residence structures.
17. Will cause to be performed the required financial and compliance audits in accordance with the Single Audit Act Amendments of 1996 and OMB Circular No. A-133, "Audits of States, Local Governments, and Non-Profit Organizations."
18. Will comply with all applicable requirements of all other Federal laws, executive orders, regulations, and policies governing this program.

SIGNATURE OF AUTHORIZED CERTIFYING OFFICIAL		TITLE	
<i>Rubin J Kulubaw</i>		Executive Director	
APPLICANT ORGANIZATION		DATE SUBMITTED	
Yolo Basin Foundation, Inc.		5/15/00	

U.S. Department of the Interior

**Certifications Regarding Debarment, Suspension and
Other Responsibility Matters, Drug-Free Workplace
Requirements and Lobbying**

Persons signing this form should refer to the regulations referenced below for complete instructions:

Certification Regarding Debarment, Suspension, and Other Responsibility Matters - Primary Covered Transactions - **The prospective primary participant further agrees by submitting this proposal that it will include the clause titled, "Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion - Lower Tier Covered Transaction," provided by the department or agency entering into this covered transaction, without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions.** See below for language to be used; use this form for certification and sign; or use Department of the Interior Form 1954 (DI-1954). (See Appendix A of Subpart D of 43 CFR Part 12.)

Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion - Lower Tier Covered Transactions - (See Appendix B of Subpart D of 43 CFR Part 12.)

Certification Regarding Drug-Free Workplace Requirements - Alternate I. (Grantees Other Than Individuals) and Alternate II. (Grantees Who are Individuals) - (See Appendix C of Subpart D of 43 CFR Part 12.)

Signature on this form provides for compliance with certification requirements under 43 CFR Parts 12 and 18. The certifications shall be treated as a material representation of fact upon which reliance will be placed when the Department of the Interior determines to award the covered transaction, grant, cooperative agreement or loan.

**PART A: Certification Regarding Debarment, Suspension, and Other Responsibility Matters -
Primary Covered Transactions**

CHECK ☒ IF THIS CERTIFICATION IS FOR A PRIMARY COVERED TRANSACTION AND IS APPLICABLE.

- (1) The prospective primary participant certifies to the best of its knowledge and belief, that it and its principals:
- (a) Are ~~not presently debarred~~, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any Federal department or agency;
 - (b) Have ~~not within a three-year period~~ preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;
 - (c) Are ~~not presently indicted for~~ or otherwise criminally or civilly charged by a governmental entity (Federal, State or local) with commission of any of the offenses enumerated in paragraph (1)(b) of this certification; and
 - (d) Have ~~not within a three-year period~~ preceding this application/proposal had one or more public transactions (Federal, State or local) terminated for cause or default.
- (2) Where the prospective primary participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

**PART B: Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion -
Lower Tier Covered Transactions**

CHECK ☐ IF THIS CERTIFICATION IS FOR A LOWER TIER COVERED TRANSACTION AND IS APPLICABLE.

- (1) The prospective lower tier participant certifies, by submission of this proposal, that neither it nor its principals is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any Federal department or agency.
- (2) Where the prospective lower tier participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

PART C: Certification Regarding Drug-Free Workplace Requirements

CHECK ☒ IF THIS CERTIFICATION IS FOR AN APPLICANT WHO IS NOT AN INDIVIDUAL.

Alternate I. (Grantees Other Than Individuals)

A. The grantee certifies that it will or continue to provide a drug-free workplace by:

- (a) Publishing a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the grantee's workplace and specifying the actions that will be taken against employees for violation of such prohibition;
- (b) Establishing an ongoing drug-free awareness program to inform employees about--
 - (1) The dangers of drug abuse in the workplace;
 - (2) The grantee's policy of maintaining a drug-free workplace;
 - (3) Any available drug counseling, rehabilitation, and employee assistance programs; and
 - (4) The penalties that may be imposed upon employees for drug abuse violations occurring in the workplace;
- (c) Making it a requirement that each employee to be engaged in the performance of the grant be given a copy of the statement required by paragraph (a);
- (d) Notifying the employee in the statement required by paragraph (a) that, as a condition of employment under the grant, the employee will --
 - (1) Abide by the terms of the statement; and
 - (2) Notify the employer in writing of his or her conviction for a violation of a criminal drug statute occurring in the workplace no later than five calendar days after such conviction;
- (e) Notifying the agency in writing, within ten calendar days after receiving notice under subparagraph (d)(2) from an employee or otherwise receiving actual notice of such conviction. Employers of convicted employees must provide notice, including position title, to every grant officer on whose grant activity the convicted employee was working, unless the Federal agency has designated a central point for the receipt of such notices. Notice shall include the identification number(s) of each affected grant;
- (f) Taking one of the following actions, within 30 calendar days of receiving notice under subparagraph (d)(2), with respect to any employee who is so convicted --
 - (1) Taking appropriate personnel action against such an employee, up to and including termination, consistent with the requirements of the Rehabilitation Act of 1973, as amended; or
 - (2) Requiring such employee to participate satisfactorily in a drug abuse assistance or rehabilitation program approved for such purposes by a Federal, State, or local health, law enforcement, or other appropriate agency;
- (g) Making a good faith effort to continue to maintain a drug-free workplace through implementation of paragraphs (a), (b), (c), (d), (e) and (f).

B. The grantee may insert in the space provided below the site(s) for the performance of work done in connection with the specific grant:

Place of Performance (Street address, city, county, state, zip code)

Check ☐ if there are workplaces on file that are not identified here.

PART D: Certification Regarding Drug-Free Workplace Requirements

CHECK ☐ IF THIS CERTIFICATION IS FOR AN APPLICANT WHO IS AN INDIVIDUAL.

Alternate II. (Grantees Who Are Individuals)

- (a) The grantee certifies that, as a condition of the grant, he or she will not engage in the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance in conducting any activity with the grant;
- (b) If convicted of a criminal drug offense resulting from a violation occurring during the conduct of any grant activity, he or she will report the conviction, in writing, within 10 calendar days of the conviction, to the grant officer or other designee, unless the Federal agency designates a central point for the receipt of such notices. When notice is made to such a central point, it shall include the identification number(s) of each affected grant.

PART E: Certification Regarding Lobbying
Certification for Contracts, Grants, Loans, and Cooperative Agreements

CHECK ☒ IF CERTIFICATION IS FOR THE AWARD OF ANY OF THE FOLLOWING AND
THE AMOUNT EXCEEDS \$100,000: A FEDERAL GRANT OR COOPERATIVE AGREEMENT,
SUBCONTRACT, OR SUBGRANT UNDER THE GRANT OR COOPERATIVE AGREEMENT.

CHECK ☐ IF CERTIFICATION IS FOR THE AWARD OF A FEDERAL
LOAN EXCEEDING THE AMOUNT OF \$150,000, OR A SUBGRANT OR
SUBCONTRACT EXCEEDING \$100,000, UNDER THE LOAN.

The undersigned certifies, to the best of his or her knowledge and belief, that:

- (1) No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of an agency, a Member of Congress, and officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.
- (2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.
- (3) The undersigned shall require that the language of this certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by Section 1352, title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

As the authorized certifying official, I hereby certify that the above specified certifications are true.

SIGNATURE OF AUTHORIZED CERTIFYING OFFICIAL Robin J. Kulakow
TYPED NAME AND TITLE Robin J. Kulakow, Executive Director
DATE 5/11/00

NONDISCRIMINATION COMPLIANCE STATEMENT

STD. 19 (REV. 3-95)

COMPANY NAME

The company named above (hereinafter referred to as "prospective contractor") hereby certifies, unless specifically exempted, compliance with Government Code Section 12990 (a-f) and California Code of Regulations, Title 2, Division 4, Chapter 5 in matters relating to reporting requirements and the development, implementation and maintenance of a Nondiscrimination Program. Prospective contractor agrees not to unlawfully discriminate, harass or allow harassment against any employee or applicant for employment because of sex, race, color, ancestry, religious creed, national origin, physical disability (including HIV and AIDS), medical condition (cancer), age (over 40), marital status, denial of family care leave and denial of pregnancy disability leave.

CERTIFICATION

I, the official named below, hereby swear that I am duly authorized to legally bind the prospective contractor to the above described certification. I am fully aware that this certification, executed on the date and in the county below, is made under penalty of perjury under the laws of the State of California.

OFFICIAL'S NAME

Robin J. Kulakow

DATE EXECUTED

5/12/00

EXECUTED IN THE COUNTY OF

Yolo

PROSPECTIVE CONTRACTOR'S SIGNATURE

Robin J. Kulakow

PROSPECTIVE CONTRACTOR'S TITLE

Executive Director

PROSPECTIVE CONTRACTOR'S LEGAL BUSINESS NAME

Yolo Basin Foundation, Inc.

APPLICATION FOR FEDERAL ASSISTANCE

OMB Approval No. 0348-0043

TYPE OF SUBMISSION: Application <input type="checkbox"/> Construction <input checked="" type="checkbox"/> Non-Construction Preapplication <input type="checkbox"/> Construction <input type="checkbox"/> Non-Construction		2. DATE SUBMITTED 5/15/00	Applicant Identifier
		3. DATE RECEIVED BY STATE	State Application Identifier
		4. DATE RECEIVED BY FEDERAL AGENCY	Federal Identifier

5. APPLICANT INFORMATION																						
Legal Name: Yolo Basin Foundation, Inc.	Organizational Unit:																					
Address (give city, county, State, and zip code): PO Box 943 Davis, CA 95617	Name and telephone number of person to be contacted on matters involving this application (give area code) Cheryl Chipman (530) 758-1018																					
6. EMPLOYER IDENTIFICATION NUMBER (EIN): 68-0230311	7. TYPE OF APPLICANT: (enter appropriate letter in box) <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> A. State B. County C. Municipal D. Township E. Interstate F. Intermunicipal G. Special District </div> <div style="width: 45%;"> H. Independent School Dist. I. State Controlled Institution of Higher Learning J. Private University K. Indian Tribe L. Individual M. Profit Organization N. Other (Specify) Non-profit 501(c)3 </div> </div>																					
8. TYPE OF APPLICATION: <input checked="" type="checkbox"/> New <input type="checkbox"/> Continuation <input type="checkbox"/> Revision If Revision, enter appropriate letter(s) in box(es) <input type="checkbox"/> <input type="checkbox"/> A. Increase Award B. Decrease Award C. Increase Duration D. Decrease Duration Other(specify):	9. NAME OF FEDERAL AGENCY:																					
10. CATALOG OF FEDERAL DOMESTIC ASSISTANCE NUMBER: <div style="border: 1px solid black; width: 100px; height: 20px; margin: 5px auto;"></div>	11. DESCRIPTIVE TITLE OF APPLICANT'S PROJECT: Discover the Flyway II Environmental Education																					
12. AREAS AFFECTED BY PROJECT (Cities, Counties, States, etc.): Yolo County (CA)																						
13. PROPOSED PROJECT Start Date: 2/01 Ending Date: 2/04	14. CONGRESSIONAL DISTRICTS OF: a. Applicant: Third b. Project: Third																					
15. ESTIMATED FUNDING: \$ 197,987	16. IS APPLICATION SUBJECT TO REVIEW BY STATE EXECUTIVE ORDER 12372 PROCESS? a. YES. THIS PREAPPLICATION/APPLICATION WAS MADE AVAILABLE TO THE STATE EXECUTIVE ORDER 12372 PROCESS FOR REVIEW ON: DATE _____ b. No. <input type="checkbox"/> PROGRAM IS NOT COVERED BY E. O. 12372 <input type="checkbox"/> OR PROGRAM HAS NOT BEEN SELECTED BY STATE FOR REVIEW																					
<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>a. Federal</td><td>\$</td><td style="text-align: right;">.00</td></tr> <tr><td>b. Applicant</td><td>\$</td><td style="text-align: right;">.00</td></tr> <tr><td>c. State</td><td>\$</td><td style="text-align: right;">.00</td></tr> <tr><td>d. Local</td><td>\$</td><td style="text-align: right;">.00</td></tr> <tr><td>e. Other</td><td>\$</td><td style="text-align: right;">.00</td></tr> <tr><td>f. Program Income</td><td>\$</td><td style="text-align: right;">.00</td></tr> <tr><td>g. TOTAL</td><td>\$</td><td style="text-align: right;">.00</td></tr> </table>	a. Federal	\$.00	b. Applicant	\$.00	c. State	\$.00	d. Local	\$.00	e. Other	\$.00	f. Program Income	\$.00	g. TOTAL	\$.00	17. IS THE APPLICANT DELINQUENT ON ANY FEDERAL DEBT? <input type="checkbox"/> Yes If "Yes," attach an explanation. <input checked="" type="checkbox"/> No
a. Federal	\$.00																				
b. Applicant	\$.00																				
c. State	\$.00																				
d. Local	\$.00																				
e. Other	\$.00																				
f. Program Income	\$.00																				
g. TOTAL	\$.00																				
18. TO THE BEST OF MY KNOWLEDGE AND BELIEF, ALL DATA IN THIS APPLICATION/PREAPPLICATION ARE TRUE AND CORRECT, THE DOCUMENT HAS BEEN DULY AUTHORIZED BY THE GOVERNING BODY OF THE APPLICANT AND THE APPLICANT WILL COMPLY WITH THE ATTACHED ASSURANCES IF THE ASSISTANCE IS AWARDED.																						
Type Name of Authorized Representative Robin J. Kulakow	b. Title Executive Director																					
d. Signature of Authorized Representative Robin J. Kulakow	c. Telephone Number 530-756-7248																					
e. Date Signed 5/12/00																						

Please see Table 1 - Budget breakdown

BUDGET INFORMATION - Non-Construction Programs

OMB Approval No. 0348-0044

SECTION A - BUDGET SUMMARY

Grant Program Function or Activity (a)	Catalog of Federal Domestic Assistance Number (b)	Estimated Unobligated Funds		New or Revised Budget		Total (g)
		Federal (c)	Non-Federal (d)	Federal (e)	Non-Federal (f)	
1.		\$	\$	\$	\$	\$
2.						
3.						
4.						
5. Totals		\$	\$	\$	\$	\$

SECTION B - BUDGET CATEGORIES

6. Object Class Categories	GRANT PROGRAM, FUNCTION OR ACTIVITY				Total (5)
	(1)	(2)	(3)	(4)	
a. Personnel	\$	\$	\$	\$	\$
b. Fringe Benefits					
c. Travel					
d. Equipment					
e. Supplies					
f. Contractual					
g. Construction					
h. Other					
i. Total Direct Charges (sum of 6a-6h)					
j. Indirect Charges					
k. TOTALS (sum of 6i and 6j)	\$	\$	\$	\$	\$
7. Program Income	\$	\$	\$	\$	\$

Authorized for Local Reproduction

SECTION C - NON-FEDERAL RESOURCES					
(a) Grant Program	(b) Applicant	(c) State	(d) Other Sources	(e) TOTALS	
8.		\$	\$	\$	\$
9.					
10.					
11.					
12. TOTAL (sum of lines 8-11)		\$	\$	\$	\$

SECTION D - FORECASTED CASH NEEDS					
	Total for 1st Year	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter
	13. Federal	\$	\$	\$	\$
14. Non-Federal					
15. TOTAL (sum of lines 13 and 14)	\$	\$	\$	\$	\$

SECTION E - BUDGET ESTIMATES OF FEDERAL FUNDS NEEDED FOR BALANCE OF THE PROJECT					
(a) Grant Program	FUTURE FUNDING PERIODS (Years)				
	(b) First	(c) Second	(d) Third	(e) Fourth	
16.	\$	\$	\$	\$	\$
17.					
18.					
19.					
20. TOTAL (sum of lines 16-19)	\$	\$	\$	\$	\$

SECTION F - OTHER BUDGET INFORMATION	
21. Direct Charges:	22. Indirect Charges:
23. Remarks:	

Attachment G

**Threshold Requirements:
Letters of Notification,
Environmental Compliance Check List,
Land Use Check List**



yolo basin foundation

.....
P.O. Box 943
Davis, California
95617
530 756 7248

May 12, 2000

Lois Wolk
Chair, Yolo County Board of Supervisors
625 Court Street, Room 204
Woodland, CA 95695

Dear Lois,

This letter and enclosed proposal provide notification of the Yolo Basin Foundation's submittal of a Calfed proposal to conduct environmental education programs at the Vic Fazio Yolo Wildlife Area, the City of Davis Wetlands, and the Conaway Ranch. The proposal requests funding to conduct programs for three years to students, K-12 teachers, and the general public through workshops, field trips, and special events. If you have any questions please call me at (530) 756-7248. Thank you.

Sincerely,

Robin Kulakow
Executive Director



yolo basin foundation

.....
P.O. Box 943
Davis, California
95617
530 756 7248

May 12, 2000

Margit Aramburu
Executive Director
Delta Protection Commission
14215 River Road
P.O. Box 530
Walnut Grove, CA 95690

Dear Margit,

This letter and enclosed proposal provide notification of the Yolo Basin Foundation's submittal of a Calfed proposal to conduct environmental education programs at the Vic Fazio Yolo Wildlife Area, the City of Davis Wetlands, and the Conaway Ranch. The proposal requests funding to conduct programs for three years to students, K-12 teachers, and the general public through workshops, field trips, and special events. If you have any questions please call me at (530) 756-7248. Thank you.

Sincerely,

Robin Kulakow
Executive Director



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P.O. Box 943
Davis, California
95617
530 756 7248

May 12, 2000

David Morrison
Yolo County Planning Department
292 W. Beamer
Woodland, CA 95695-2511

Dear David,

This letter and enclosed proposal provide notification of the Yolo Basin Foundation's submittal of a Calfed proposal to conduct environmental education programs at the Vic Fazio Yolo Wildlife Area, the City of Davis Wetlands, and the Conaway Ranch. The proposal requests funding to conduct programs for three years to students, K-12 teachers, and the general public through workshops, field trips, and special events. If you have any questions please call me at (530) 756-7248. Thank you.

Sincerely,

Robin Kulakow
Executive Director



yolo basin foundation

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P.O. Box 943
Davis, California
95617
530 756 7248

May 12, 2000

Assemblywoman Helen Thomson
8th Assembly District
Capitol Building, Room 4140
Sacramento, CA 95814

Dear Helen,

This letter and enclosed proposal provide notification of the Yolo Basin Foundation's submittal of a Calfed proposal to conduct environmental education programs at the Vic Fazio Yolo Wildlife Area, the City of Davis Wetlands, and the Conaway Ranch. The proposal requests funding to conduct programs for three years to students, K-12 teachers, and the general public through workshops, field trips, and special events. If you have any questions please call me at (530) 756-7248. Thank you.

Sincerely,

Robin Kulakow
Executive Director



yolo basin foundation

.....
P.O. Box 943
Davis, California
95617
530 756 7248

May 12, 2000

Tom Hanzo
City of Davis
23 Russell Blvd.
Davis, CA 95616

Dear Tom,

This letter and enclosed proposal provide notification of the Yolo Basin Foundation's submittal of a Calfed proposal to conduct environmental education programs at the Vic Fazio Yolo Wildlife Area, the City of Davis Wetlands, and the Conaway Ranch. The proposal requests funding to conduct programs for three years to students, K-12 teachers, and the general public through workshops, field trips, and special events. If you have any questions please call me at (530) 756-7248. Thank you.

Sincerely,

Robin Kulakow
Executive Director



yolo basin foundation

.....
P.O. Box 943
Davis, California
95617
530 756 7248

May 12, 2000

Dave Feliz
Wildlife Area Manager
Yolo Bypass Wildlife Area
45211 County Road 32 B
Davis, CA 95616

Dear Dave,

This letter and enclosed proposal provide notification of the Yolo Basin Foundation's submittal of a Calfed proposal to conduct environmental education programs at the Vic Fazio Yolo Wildlife Area, the City of Davis Wetlands, and the Conaway Ranch. The proposal requests funding to conduct programs for three years to students, K-12 teachers, and the general public through workshops, field trips, and special events. If you have any questions please call me at (530) 756-7248. Thank you.

Sincerely,

Robin Kulakow
Executive Director

Environmental Compliance Checklist

All applicants must fill out this Environmental Compliance Checklist. Applications must contain answers to the following questions to be responsive and to be considered for funding. Failure to answer these questions and include them with the application will result in the application being considered nonresponsive and not considered for funding.

1. Do any of the actions included in the proposal require compliance with either the California Environmental Quality Act (CEQA), the National Environmental Policy Act (NEPA), or both?

YES

NO

- 2. If you answered yes to # 1, identify the lead governmental agency for CEQA/NEPA compliance.**

Lead Agency

3. If you answered no to # 1, explain why CEQA/NEPA compliance is not required for the actions in the proposal.

Does not represent a major state or federal action.

4. If CEQA/NEPA compliance is required, describe how the project will comply with either or both of these laws. Describe where the project is in the compliance process and the expected date of completion.

5. Will the applicant require access across public or private property that the applicant does not own to accomplish the activities in the proposal?

YES

See attachment C

NO

If yes, the applicant must attach written permission for access from the relevant property owner(s). Failure to include written permission for access may result in disqualification of the proposal during the review process. Research and monitoring field projects for which specific field locations have not been identified will be required to provide access needs and permission for access with 30 days of notification of approval.

6. Please indicate what permits or other approvals may be required for the activities contained in your proposal. Check all boxes that apply.

No permits needed

LOCAL

Conditional use permit	___
Variance	___
Subdivision Map Act approval	___
Grading permit	___
General plan amendment	___
Specific plan approval	___
Rezone	___
Williamson Act Contract	___
cancellation	___
Other _____	
(please specify)	
None required	___

STATE

CESA Compliance	___	(CDFG)
Streambed alteration permit	___	(CDFG)
CWA § 401 certification	___	(RWQCB)
Coastal development permit	___	(Coastal Commission/BCDC)
Reclamation Board approval	___	
Notification	___	(DPC, BCDC)
Other _____		
(please specify)		
None required	___	

FEDERAL

ESA Consultation	___	(USFWS)
Rivers & Harbors Act permit	___	(ACOE)
CWA § 404 permit	___	(ACOE)
Other _____		
(please specify)		
None required	___	

DPC = Delta Protection Commission
CWA = Clean Water Act
CESA = California Endangered Species Act
USFWS = U.S. Fish and Wildlife Service
ACOE = U.S. Army Corps of Engineers

ESA = Endangered Species Act
CDFG = California Department of Fish and Game
RWQCB = Regional Water Quality Control Board
BCDC = Bay Conservation and Development Comm.

Land Use Checklist

All applicants must fill out this Land Use Checklist for their proposal. Applications must contain answers to the following questions to be responsive and to be considered for funding. Failure to answer these questions and include them with the application will result in the application being considered nonresponsive and not considered for funding.

1. Do the actions in the proposal involve physical changes to the land (i.e. grading, planting vegetation, or breaching levees) or restrictions in land use (i.e. conservation easement or placement of land in a wildlife refuge)?

YES

NO

2. If NO to # 1, explain what type of actions are involved in the proposal (i.e., research only, planning only).

education only

3. If YES to # 1, what is the proposed land use change or restriction under the proposal?

4. If YES to # 1, is the land currently under a Williamson Act contract?

YES

NO

5. If YES to # 1, answer the following:

Current land use _____

Current zoning _____

Current general plan designation _____

6. If YES to #1, is the land classified as Prime Farmland, Farmland of Statewide Importance or Unique Farmland on the Department of Conservation Important Farmland Maps?

YES

NO

DON'T KNOW

7. If YES to # 1, how many acres of land will be subject to physical change or land use restrictions under the proposal?

8. If YES to # 1, is the property currently being commercially farmed or grazed?

YES

NO

9. If YES to #8, what are

the number of employees/acre _____

the total number of employees _____

10. Will the applicant acquire any interest in land under the proposal (fee title or a conservation easement)?

YES

✓
NO

11. What entity/organization will hold the interest? _____

12. If YES to # 10, answer the following:

Total number of acres to be acquired under proposal _____

Number of acres to be acquired in fee _____

Number of acres to be subject to conservation easement _____

13. For all proposals involving physical changes to the land or restriction in land use, describe what entity or organization will:

manage the property _____

provide operations and maintenance services _____

conduct monitoring _____

14. For land acquisitions (fee title or easements), will existing water rights also be acquired?

YES

NO

15. Does the applicant propose any modifications to the water right or change in the delivery of the water?

YES

✓
NO

16. If YES to # 15, describe _____

Attachment H

Newsletter: The Yolo Flyway

Attachment I

Yolo Basin Foundation Board of Directors

**Yolo Basin Foundation
Board of Directors, May 2000**

The following is a listing of the board of directors with a brief description of their professional affiliations:

Val Dolcini	State Executive Director, USDA Farm Service Agency Member, Yolo County Economic Development Council Member, California State University, San Francisco – Ambassadors for Higher Education
Mike Lien	Vice-chair, YBF Executive Committee Walker, Donant and Company (builders & developers) L&D Landfill, L&D Recycling Yolo County Solid Waste Advisory Committee
Gaye Lopez	General Manager, Colusa Basin Drainage District
Betsy Marchand	Yolo County Board of Supervisors (retired) Special Projects Coordinator, Yolo-Solano Flood Control & Water Conservation District Director of Government Relations, Families First, Inc.
Rick Martinez	<i>Chief Financial Officer/Secretary, YBF Executive Committee</i> Martinez Farming Company Board of Directors, Dixon Resource Conservation District
Frank MacBride	President, MacBride Realty Co., Sacramento Landowner, Yolo Bypass duck club Sacramento Rotary Club
Glenn Nedwin	President, Novo Nordisk Biotech Exporit! Science Center Board of Directors

David Rosenberg	Yolo County Supervisor, District 4 Attorney-at-Law Former Mayor of Davis Commission, California Council on Criminal Justice
Randy Sater	Manager, Aggregate Resource Development, Teichert Aggregates President, Cache Creek Conservancy Vice Chairman, Urban Land Institute, Sacramento District Council Vice President, Lincoln Area Chamber of Commerce Member, Water Forum Consensus-based Negotiations Process Member, California Waterfowl Association, Duck Unlimited
Paul Simmons	Attorney at law, De Cuir and Somach, Sacramento Chair, Yolo Basin Foundation, 1994-1999
Meg Stallard	<i>Chair, YBF Executive Committee</i> Woodland School Board League of Women Voters Cal Aggie Alumni Association, Board of Directors UC Davis Chancellors Club Woodland Opera House Board
Lois Wolk	Yolo County Board of Supervisors, District 2 Mayor , City of Davis(retired) Member, Yolo County Water Resources Association Davis Rotary Club Soroptimist of Davis
Walter Yep	President, Walter Yep, Inc. Chinese for Affirmative Action, San Francisco US Army Corps of Engineers, Chief Planning Branch (retired)